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THE CHEMIST AND DRUGGIST

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TELEGRAPHIC ADDRESS: "CHEMICUS LONDON."

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[Established in AUSTRALASIA, 1885

No. 1,552. Vol. LXXV. OCTOBER 23, 1909

Subscription, 10s. per annum, including Diary. Free the World over. Single Copies, 6d. each. Winter and Summer Issues, 1s. each. Post Free.

Apply to us before placing Contracts

for the following:

Malt Extract, Malt Extract and Cod Liver Oil.

Packed in porcelain jars, or in amber-tinted jars, double air-tight caps.

½ lb., 1 lb., 2 lb. sizes.

Also in amber-tinted wide mouth bottles, 6 oz., 8 oz., 12 oz., 16 oz., 24 oz. f.c.

Labels—Assorted styles.

Finest Norwegian Cod-Liver Oil.

Packed in Wood's panelled flats, ovals, or round-cornered dispensing flats.

Labels — Fancy, Lithograph, etc.

4 oz., 6 oz., 8 oz., 12 oz., 16 oz., etc.

Delivery as required.

Chemist's own Name & Address printed free on Labels.

Samples forwarded free on request.

Cod-Liver Oil Emulsion.

Packed in white-glass sloping shouldered bottles, panelled or flats.

Labels — Fancy, Lithograph, etc.

6 oz., 8 oz., 12 oz., 16 oz.

Compound Syrup of Figs.

Packed in panelled flats.

Labels — Fancy, Lithograph, etc.

2 oz., 4 oz., 8 oz., etc.

Cough Mixtures.

Cherry Pectoral, Linseed and Honey, Black Currant, Horehound and Honey, Balsam of Aniseed, etc.

Packed in panelled flats.

Labels — Fancy, Lithograph, etc.

2 oz., 4 oz., 8 oz, etc.

ALLEN & HANBURYS Ltd.

LONDON.

Index and Buyers' Guide, pp. 7, 8, 9, 10, and 11.

Wright's Coal Tar Soap

The "ANTI-CUTTING RECORD" says:

"The proprietors have advertised a Coal Tar Soap to the public for nearly 40 years, and we think they are in consequence justly entitled to special consideration from retailers, for it is not unreasonable to suppose that if it had not been for the HEAVY ADVERTISING of WRIGHT'S SOAP there would have been practically no public demand for any kind of coal tar soap."

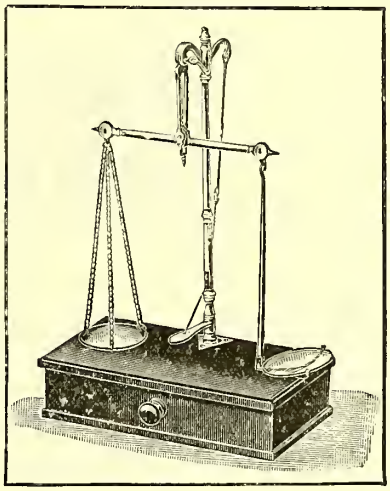
WRIGHT, LAYMAN & UMNEY, Ltd.,

SOUTHWARK, LONDON, S.E.

Telegrams: "UMNEY LONDON." Telephone: 608 HOP.

SCALES AND WEIGHTS.

Board of Trade Regulations, 1907.



The new regulations which came into force on October 1st provide chiefly for an increased degree of sensitiveness in the Scales used by Chemists and Druggists.

It behoves every member of the trade to see that his Scales comply with these regulations and are in good working order.

While an impression seems to be prevalent that all the old pattern Scales are useless under the new regulations, this is by no means the case, for we have renovated and remodelled large numbers of them, and as Birmingham is the centre of the Scale trade, we have special facilities for undertaking such work on very moderate terms and shall be pleased to advise and to quote prices on receipt of Scales or detailed description.

All Scales which are eligible in principle will be returned stamped with Government Stamp.

New Scales in accordance with the regulations, supplied to order. Price List free on application.

Southall Bros. & Barclay, Ltd.

BIRMINGHAM.

A WARNING TO THE TRADE.

'MASSOLETTES'

The Health Milk Bonbon.

The above word is our registered Trade Mark, the "Health Milk Bonbon" our descriptive title. As we hear there are copies of the original on the market, we take this opportunity to warn pharmacists against colourable imitations thereof.

Apart from any legal offence, we would remind chemists that we have restricted the sale of the article to pharmacists and the medical profession, we absolutely refusing to execute the numerous orders we have received from confectioners, &c.

Messrs. A. H. COX & CO.

Pill & Tablet Makers, **BRIGHTON.**

EMULSION
OF
COD LIVER OIL
Season, 1909.

Put up in seven different styles.
Chemists' names printed free.
Handsome Window Displays.

SUPPLIED ALSO IN BULK.

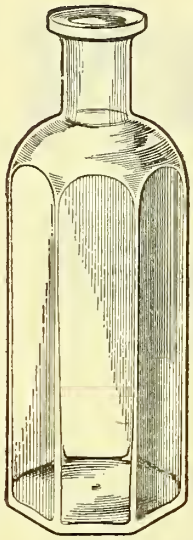
Extract from letter lately received :

"I am sorry that, tempted by an apparently lower price, "I did not get my last season's supply of Emulsion from "you. I now enclose ————, and have never found an "Emulsion so satisfactory as your own."

Baiss Brothers & Stevenson, LIMITED.

AND
"GRANGE WORKS"
BERMONDSEY, S.E.

Emulsion Specialists,
JEWRY STREET, LONDON, E.C.



THE

"IDEAL" BOTTLE

THE BEST FOR

Specialities & Preparations.

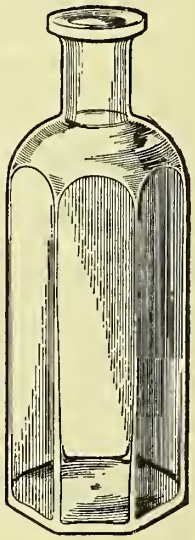
The several flat sides have the effect of brilliantly reflecting the contents, thus increasing the natural brightness of the preparation. This is particularly evident if seen in a good light or in a window.

A GOOD ATTRACTIVE BOTTLE WELL LABELLED AND FINISHED FREQUENTLY SELLS A PREPARATION.

Look at the Prices per Gross.

	½ oz.	1 oz.	1½ oz.	2 oz.	3 oz.	4 oz.	6 oz.	8 oz.	10 oz.	12 oz.	16 oz.	20 oz.
White Glass, Plain	4/6	5/-	5/9	6/6	7/3	8/9	10/9	13/-	15/6	17/-	22/-	27/-
White Glass, Globe Stoppered ...	18/6	19/-	20/-	20/6	21/9	24/-	28/-	31/6	34/-	37/-	44/-	48/-
Amber and Actinic, Plain ...	5/3	5/9	6/6	7/3	8/-	9/6	12/3	14/-	17/-	18/6	24/-	29/-
Amber and Actinic, Globe Stopp'd	19/-	20/-	20/9	21/6	22/6	25/6	29/6	33/-	36/6	39/-	47/-	52/-

Compare these quotations with the prices of other makes, especially for the stoppered bottles.



The "Ideal" Bottles are stoppered in the same factory as they are made in, which is the only way to get the best stoppering at the lowest prices.

The "Ideal" Bottle can be obtained from Messrs. Maw's, Evans Sons Lescher & Webb, Sangers', May Roberts, or any other of the leading Wholesale Houses.

MADE IN ENGLAND.

Cut this out and file for Reference.

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Branch Offices: Melbourne, Sydney, and Adelaide, Australia.

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Pitman, Sir I., & Sons, Ltd.
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British Automatic Aerators, Ltd.
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Stevenson & Howell, Ltd.
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Boehringer, C. H., Sohn
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Smith, T. & H., Ltd.
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British Drug Houses, Ltd.
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Blackie, R.
Burroughs Wellcome & Co.
Calvert, F. C., & Co.
Christy, T., & Co.
Cook, E., & Co., Ltd.
Euoryl, Ltd.
Hall & Ruckel
Jewsbury & Brown
Lambert Pharmacal Co.
McKesson & Robbins
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Pierre, Dr.
Rowland, A., & Sons
Standard Tablet & Pill Co.
Woods, W., & Son
Woolley, J., Sons & Co., Ltd.
DEXTRINE
Fink, F., & Co.
DIGESTIVE PRODUCTS
Armour & Co., Ltd.
Benger's Food, Ltd.
Fairchild Bros. & Foster
Parke, Davis & Co.
Squire & Sons
Zimmermann, C., & Co.
DISINFECTANTS
Baiss Bros. & Stevenson, Ltd.
Burt, Boulton & Haywood, Ltd.
Calvert, F. C., & Co.
Condy & Mitchell, Ltd.
Cook, E., & Co., Ltd.
Dalmas, A. de St., & Co.
Edwards, W., & Son
Jeyes' Sanitary Compounds, Ltd.
Kay Bros., Ltd.
Lambert Pharmacal Co.
Roberts, Cornford & Co.
Sanitas Co., Ltd.
Tomlinson & Hayward, Ltd.
Willows, Francis B. & T.
Wright, Layman & Umney, Ltd.
Zimmermann, C., & Co.
DOSE REGULATORS
Reuter, R. J.
DIABETIC BREAD AND FOOD
Callard & Co.
Van Abbott, G., & Sons
DRUGGISTS' SUNDRIES
Ayrton, Saunders & Co., Ltd.
Barclay & Sons, Ltd.
Berliner, Arthur
Burge, Warren & Ridgley
Bush, H. W., & Co., Ltd
Chemist's Co-operative Wholesale
Chemists' Sundries, Ltd.
Christy, T., & Co.
Cook, Alfred, & Co.
Davis, J. M., & Sons
Edwards, W., & Son
Evans Sons Lescher & Webb
Fecher, M. J.
Gutmann, A. E., & Co.

DRUGGISTS' SUNDRIES (*continued*)
Hatrick, James L., & Co., Ltd.
Hay, J. B., & Co.
Hewlett, C. J., & Sons
Hovenden, R., & Sons, Ltd.
Lennon, Ltd.
Maw, S., Son & Sons
May, Roberts & Co.
Murdoch, John, & Co.
Newbery, F., & Sons, Ltd.
Poths, H., & Co.
Quelch, H. C., & Co.
Reuter, R. J.
Sangers'
Schutze, F., & Co.
Shirley Bros., Ltd.
Solport Bros.
Southall Bros. & Barclay, Ltd.
Tidman & Son, Ltd.
Toogood, W., Ltd.
Viscose Co., Ltd.
Wattenbach, O.
Wood, Vincent
Woolley, J., Sons & Co.
DRUGS, CRUDE
Carmichael, F. J., & Co.
Horner & Sons
Hymans, H., & Co.
Potter & Clarke, Ltd.
Ransom, W., & Son
Salle, H., & Cie.
DRYSALTERIES
Harker, Stagg & Morgan, Ltd.
DYES
Judson, D., & Son
Whitaker & Co. (Hat)
EAR MOPS.
Cooper, R. H., & Co.
EAU DE COLOGNE
Breidenbach & Co.
Farina, J. M.
Farina, J. M. (No. 4)
Fickus, Courtenay & Co.
McCracken, J. & R.
Schutze, F., & Co.
EDUCATIONAL INSTITUTIONS
Bath and West of England College of Pharmacy
Borough Polytechnic Institute
British Optical Institute
Burlington Correspondence College
Edinburgh Central School of Pharmacy
Glasgow School of Pharmacy
Goldsmiths' Technical College
Leeds College of Pharmacy
Liverpool School of Pharmacy
London College of Pharmacy
Manchester College of Pharmacy
Muter's (So. Lond.) School of Pharmacy
North of England School of Pharmacy
Northern College of Pharmacy
Nottingham School of Pharm.
Pharmaceutical Society's School of Pharmacy
Royal Dispensary (Edinburgh)
South of England College of Pharmacy
University of Birmingham
West Ham Technical Institute
Westminster College of Pharm.
EFFERVESCENT PREPS.
Allen & Hanburys, Ltd.
Bishop, Alfred, Ltd.
Blackie, R.
Bristol-Myers Co.
Cox, A. H., & Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Goodall, Backhouse & Co.
Kutnow, S., & Co., Ltd.
Lorimer & Co., Ltd.
Newball & Mason
Potter & Clarke
Standard Tablet & Pill Co.
Sturge, John & E.
Tyrer, T., & Co., Ltd.
Wright, Layman & Umney
ELASTIC HOSIERY
Ayrton, Saunders & Co., Ltd.
Berliner, Arthur
Burge, Warren & Ridgley, Ltd.
Haywood, J. H.
Maw, S., Son & Sons
Wood, Vincent
EMBOSSING
Avery, W. R. F.
EMBROCATIONS
Elliman, Sons & Co.
James, F.
EMERY AND CLOTH
Oakey, J., & Sons, Ltd.

EMULSIONS, COD-LIVER OIL, ETC.
Allen & Hanburys, Ltd.
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
British Drug Houses, Ltd.
Faulding, F. H., & Co.
Harker, Stagg & Morgan, Ltd.
Lorimer & Co., Ltd.
Oldfield, Pattinson & Co.
Parke, Davis & Co.
Scott & Bowne, Ltd.
Tolkien, C., & Co.
Woolley, Jas., Sons & Co.
Woolleys, Ltd.

ENEMAS
Bailey, W. H., & Son
Burge, Warren & Ridgley
Davol Rubber Co.
Hatrick, James L., & Co., Ltd.
Hay, J. B., & Co.
Maw, S., Son & Sons
Toogood, W., Ltd.
Warne, W., & Co., Ltd.

ENTOMOLOGICAL APPARATUS
Watkins & Doncaster

EPSOM SALTS
Howards & Sons, Ltd.

ESSENCES, CONCRETE
Lautier Fils
Murray, O., & Co., Ltd.
Roure-Bertrand fils
Schmoller & Bompard

ESSENCES, SOL. AND FRUIT
Alliance Drug & Chem. Co.
Barnett & Foster
Boake (A.), Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Evans Sons Lescher & Webb
Hay, Wm., Ltd.
Lautier Fils
London Essence Co.
Lorimer & Co., Ltd.
Newball & Mason
Roure-Bertrand fils
Spencer, J., Son & Co.
Stevenson & Howell, Ltd.
Zimmermann, A. & M.

ETHERS
Baiss Bros. & Stevenson, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, A., & Sons

EUCALYPTUS OIL
Baiss Bros. & Stevenson, Ltd.
British Drug Houses, Ltd.
Hymans, H., & Co.

EXTRACT OF HERBS
Newball & Mason
Potter & Clarke

EXTRACTS (MEDICINAL)
Allen, Stafford, & Sons, Ltd.
Chemist's Co-operative Wholesale
Hewlett, C. J., & Son
Parke, Davis & Co.
Ransom, W., & Son
(*See also* Wholesale Druggists)

FEEDING BOTTLES
Breffit, E., & Co., Ltd.
Hovenden, R., & Sons, Ltd.
Kilner Bros., Ltd.
Maw, S., Son & Sons
Sangers'
Southall Bros. & Barclay, Ltd.

FILTERS (WATER)
Berkefeld Filter Co., Ltd.

FLESH GLOVES
Sangers'

FLYCATCHERS
Alabastine Co. (British), Ltd.
Deansmere Manfg. Co.
Flykatoho
Ford, Shapland & Co.
Frowein, C.
Kay Bros., Ltd.
Smith, J. H., & Co.
Strong, Christy
Tunbridge & Wright

FOODS, INFANTS'
Allen & Hanburys, Ltd.
Benger's Food, Ltd.
Frame Food Co., Ltd.
Lofthouse & Saltmer
Natural Food Co., Ltd.
Willows, Francis, B. & T.

FOODS, SPECIAL
Allen & Hanburys, Ltd.
Benger's Food, Ltd.
Brand & Co., Ltd.
Burt, C. J.
Bovo, Ltd.
Callard & Co.
Fairchild Bros. & Foster

FOODS, SPECIAL (*continued*)
Frame Food Co., Ltd.
Hepworth, Walter
Keen, Robinson & Co., Ltd.
Menley & James, Ltd.
Natural Food Co., Ltd.
Virol, Ltd.
Wander, A.

FORMALDEHYDE
Burt, Boulton & Haywood

FRUIT CRYSTALS
Aerators, Ltd.

FRUIT SYRUPS
Idris & Co., Ltd.

FULLER'S EARTH
Mumford, G. S., & Sons

FUMIGATORS
Sanitas Co., Ltd.

GELATIN AND GLUE
Boehm, F., Ltd.

GLASSWARE, CHEMICAL
Zahradnik, Jos.

GLAUBER'S SALT
Bramwell, E., & Son
Howards & Sons, Ltd.

GLYCERIN
Boehm, F., Ltd.
Price's Patent Candle Co.

GLYCERIN PLANT
Forshaw, E., & Son, Ltd.

GLYCEROPHOSPHATES
Pointet & Girard

GOLD PAINT
Judson, D., & Son

GRINDERS
Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis B. & T.

GUMS
Fink, F., & Co.

HAIR WAVERS AND CURLERS
Merkham Trading Co., Ltd.

HAIR PREPARATIONS
Capsuloids (1909), Ltd.
Chesebrough Manfg. Co.
Edwards' "Harlene" Co.
Harker, Stagg & Morgan
Herpicide Co.
John Strange Winter
Oatine Co.
Rohare's Aureoline
Rowland, A., & Sons
To-Kalon Mnfg. Co., Ltd.
Woolleys, Ltd.

HAT DYES
Whitaker & Co.

HAT RENOVATORS
Christy, T., & Co.

HEATING APPARATUS
Clark, S., & Co.
Gutmann, A. E., & Co.
National Radiator Co., Ltd.
Wright, John, & Co.

HERBS
Carmichael, F. J., & Co.
Potter & Clarke

HOMŒOPATHIC MEDICINES
Ashton & Parsons, Ltd.
Epps, James, & Co.
Keene & Ashwell, Ltd.
Leath & Ross

HOTELS
Esmond Hotel
Kingsley Hotel
Thackeray Hotel

HOT-WATER BOTTLES
Berliner, Arthur
Burge, Warren & Ridgley
Dunlop Rubber Co., Ltd.
Fulham Pottery & Cheavin Filter Co., Ltd.
Hutchinson Co.
Maw, S., Son & Sons
May, Roberts & Co.
Southall Bros. & Barclay
Tompkins, James, Ltd.
Wood, Vincent

HYDROGEN PEROXIDE
May & Baker, Ltd.
Sanitas Co., Ltd.
Tyrer, T., & Co., Ltd.

HYPOPHOSPHITES
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

INHALERS
Christy, T., & Co.
Sangers'

INK
Bewley & Draper, Ltd.
Hickisson, A. B.

INSECTICIDES
Christy, Thos., & Co.
Smith, B. A., & Co.
Tomlinson & Hayward, Ltd.
Vaporite-Strawson Co., Ltd.
Voss, Walter, & Co.
Woolleys, Ltd.

INSECT POWDER
Boehm, F., Ltd.
Smith, B. A., & Co.

IODINE AND IODIDES
Howards & Sons, Ltd.
Morson, T., & Son

ITROSYL
Fletcher, Fletcher & Co.

JARS AND POTS
Boling, Brown & Co.
Breffit, E., & Co., Ltd.
Bush, H. W., & Co., Ltd.
Christy, T., & Co.
Cook, A., & Co.
Johnsen & Jorgensen, Ltd.
Kilner Bros., Ltd.
Lang, Jules, & Son
Maw, S., Son & Sons
Poths, H., & Co.
Reuter, R. J.
Stipendum Stopper Co.
Toogood, W., Ltd.

LACTIC FERMENTS
Allen & Hanburys, Ltd.
Cox, Arthur H., & Co., Ltd.
Davies, Sons & Co.
Martindale, W.
Parke, Davis & Co.
Wilcox, Jozeau & Co.

LAMPS, DISINFECTING
Roberts, Cornford & Co.

LANOLINE
Burroughs Wellcome & Co.
Christy, T., & Co.

LARD
Chemist's Co-operative Wholesale
Ewen, J., & Sons

LIME JUICE AND CORDIAL
Evans Sons Lescher & Webb
Goodall, Backhouse & Co.
Idris & Co., Ltd.

LINSEED, CRUSHED, ETC.
Allen, Stafford, & Sons
Mumford, G. S., & Sons

LINTS
Liverpool Lint Co.
Robinson & Sons, Ltd.
Vernon & Co., Ltd.

LIQUORICE JUICE
Boehm, F., Ltd.
British Drug Houses, Ltd.
Carmichael, F. J., & Co
Evans, Gray & Hood
Evans Sons Lescher & Webb, Ltd.
Horner & Sons
Jackson, E. E.
Mumford, G. S., & Sons

LIQUORS, CONC., ETC.
Allen, Stafford, & Sons, Ltd.
Fletcher, Fletcher & Co.
Hewlett, C. J., & Son
Robinson, B., & Co.

LITHIA SALTS
British Drug Houses, Ltd.
May & Baker, Ltd.
Merck, E.

LOOFAHS
International Sponge Importers

LOZENGES
Cox, A. H., & Co., Ltd.
Denoual, J., & Co.
Jackson, E. E.
Meggeson & Co., Ltd.
Potter & Clarke
Raimes & Co.
Warrick Bros.

MACHINERY, PHARMACAL
Allen & Hanburys, Ltd.
Bennett, E., & Son, Ltd.
Bennett, Sons & Shears, Ltd.
Fecher, M. J.
Forshaw, E., & Son, Ltd.
Gardner, Wm., & Sons, Ltd.
Pindar, J. W., & Co.
Smith, B. A., & Co.
Stokes, F. J., Machine Co.
Thompson & Capper (Stokes)
Wilkinson, S. W., & Co.

MAGNESIA AND ITS SALTS
Henry, T. & W.
Howards & Sons, Ltd.
May & Baker, Ltd.
Washington Chemical Co.

MENTHOL CONES
Bush, H. W., & Co., Ltd.
Maw, S., Son & Sons

MAILING CASES
Estes, E. B., & Sons

MARKING INK
Hickisson, A. (Bond's)

MEAT EXTRACTS
Armour & Co., Ltd.
Bovril, Ltd.
Brand & Co., Ltd.
Bovo, Ltd.

MALT EXTRACT AND PREPS
Allen & Hanburys, Ltd.
Blackie, R.
British DiaMalt Co.
Burroughs Wellcome & Co.
Evans Sons Lescher & Webb
Hewlett, C. J., & Son
Lorimer & Co., Ltd.
Oppenheimer, Son & Co., Ltd.
Paine & Co., Ltd.
Southall Bros. & Barclay, Ltd.
Tolkien, C., & Co.
Woolley, Jas., Sons & Co., Ltd.
Wright, Layman & Umney

MEASURES
Bush, H. W., & Co., Ltd.

MEDICINE CHESTS
Burroughs Wellcome & Co.
Keene & Ashwell, Ltd.
Leath & Ross
Lloyd, T. Howard, & Co.
Parke, Davis & Co.

MERCURIALS
Howards & Sons, Ltd.
May & Baker, Ltd.
Merck, E.
Tyrer, T., & Co., Ltd.

METEOROLOGICAL SETS
Darton, F., & Co.

METHYLATED SPIRIT
Burrough, J., Ltd.
Preston's Liverpool Distillery
Randall & Son, Ltd.

MILK APPARATUS
Zimmermann, C., & Co.

MILK SUGAR
Zimmermann, C., & Co.

MINERAL WATERS AND SALTS
Apollinaris Co., Ltd.
British Drug Houses, Ltd.
Hughes, E. Griffiths
Ingram & Royle, Ltd.
"Rocla" Natural Tonic Co.
Vichy (State Springs)

MOTOR GOGGLES
Darton, F., & Co.

MUSTARD
Keen, Robinson & Co., Ltd.

NAPHTHAS
Burt, Boulton & Haywood

NURSES' WALLETS
Hatrick, James L., & Co., Ltd.

OILS, ESSENTIAL
Allen, Stafford, & Sons, Ltd.
Alliance Drug & Chem Co.
Boake (A.), Roberts & Co., Ltd.
Boutin, G. L.
Bush, W. J., & Co., Ltd.
Chiris, Antoine
Evans Sons Lescher & Webb, Ltd.
Horner & Sons
Jakson, J., & Co.
Lautier Fils
Lhermine & Cie.
London Essence Co.
Matthew, Jesse
Mühlethaler, Th., Ltd.
Pasquale, S. F. de, & Fratelli
Poppelreuter, W.
Ransom, W., & Son
Roure-Bertrand fils
Sachsse, E., & Co.
Scheller, Emil, & Co.
Schimmel & Co.
Schmoller & Bompard
Spencer, J., Son & Co.
Stevenson & Howell, Ltd.
Todd, A. M., Co.
Wright, Layman & Umney
Zimmermann, A. & M.

OILS, FATTY, ETC.
Allen, Stafford, & Sons, Ltd.
Price's Patent Candle Co.
Schliemann's Oil and Ceresine Co., Ltd.
Smith, B. A., & Co.

OILS, MINERAL
Carmichael, F. J., & Co.
Price's Patent Candle Co.

OINTMENTS
Blackie, R.
Chemist's Co-operative Wholesale
Oldfield, Pattinson & Co.

OPTICAL GOODS
Botwright & Grey
Darton, F., & Co.
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Nitsche & Günther
Raphael's, Ltd.

OTTO OF ROSE
Bontcheff & Kidoff
Pappazoglou, D.
Reitmeyer & Co. (synthetic)
Scheller, Emil & Co.
Seraphimoff, S., & Co.
Shipkoff & Co.

OPTICAL INSTRUCTION
British Optical Institute
ORANGE WINE
Melrose-Drover Co., Ltd.
PACKED GOODS
(*See* Wholesale)
PALATINOIDS
Oppenheimer, Son & Co.
PASTILLES
Allen & Hanbnrys, Ltd.
Asche, C. F., & Co.
Bnrronghs Wellcome & Co.
Denoual, J., & Co.
Epps, James & Co.
Evans Sons Lescher & Webb
Meggeson & Co., Ltd.
Warrick Bros.
PATENT AGENT
Barker, R. W.
PERFUMES
Allen & Hanbnrys, Ltd.
Barclay & Sons, Ltd.
Breidenbach & Co.
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, T., & Co.
Chnit, Naef & Co.
Erasmic Co., Ltd.
Evans Sons Lescher & Webb,Ltd.
Hewlett, C. J., & Son
Hovenden, R., & Sons, Ltd.
Lescol Perfumery Co.
McCracken, J. & R.
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Oatine Co.
Original Antiseptic Pastille Co., Ltd.
Qnelch, H. C., & Co.
Sonthall Bros. & Barclay
Spencer, J., Son & Co.
To-Kalon Mnfg. Co., Ltd.
Warrick Bros.
West, T., & Son
Yardley & Co., Ltd.
PERFUME MATERIALS
Bontcheff & Kidoff
Bush, W. J., & Co., Ltd.
Chiris, Antoine
Compagnie Morana
Lantier Fils
Mühlethaler, Th., Ltd.
Murray, O., & Co., Ltd.
Scheller Emil & Co.
Schimmel & Co.
Shipkoff & Co.
Spencer, J., Son & Co.
Zimmermann, C., & Co.
PESSARIES
Bnrge, Warren & Ridgley
Rendell, W. J.
PETROLEUM EMULSION
British Drug Honses, Ltd.
PETROLEUM JELLY
Carmichael, F. J., & Co.
Chesebrough Mfg. Co.
Schliemann's Oil and Ceresine Co., Ltd.
PHOTO. CHEMICALS
Boehringer, C. F., & Soehne
Burroughs Wellcome & Co.
Merck, E.
PHOTO. ENLARGERS, PRINTERS, &c.
Express Developing Co.
Halifax Photographic Co.
PHOTO. GOODS
Barclay & Sons, Ltd.
Darton, F., & Co.
Evans Sons Lescher & Webb
Halifax Photographic Co.
Ilford, Ltd.
Lennon, Ltd.
May, Roberts & Co.
Mnrdoch, John, & Co.
Newbery, F., & Sons, Ltd.
PILL MAKERS
Allen & Hanburys, Ltd.
Asche, C. F., & Co.
Bishop, Alfred, Ltd.
British Drug Honses, Ltd.
Cox, A. H., & Co. Ltd.
Davies Sons & Co.
Evans Sons Lescher & Webb,Ltd.
Hewlett, C. J., & Son
Howards & Sons, Ltd.
Lloyd, T. Howard, & Co.
McKesson & Robbins
Parke, Davis & Co.
Standard Tablet & Pill Co.
Wand Mfg. Co.
Woolley, J., Sons & Co., Ltd.
PLASTIC MODELS
Plastic Advertisement Co.
POLISHES (VARIOUS)
Bradley & Bourdas
Judson, Daniel, & Son
Oakey, J., & Son, Ltd.
PLASTERS
Allcock Mnfg. Co.
Berliner, Arthur
Beiersdorf, P., & Co.
Dalmas, A. de St., & Co.
Leslies, Ltd.
Maw, S., Son & Sons
Solport Bros.
POSTERS
Ford, Shapland & Co.
PRINTERS
Avery, W. R. F.
Dudley & Co.
Ford, Shapland & Co.
Harrison & Waide
Parkes, John, & Co.
Smith, W. H., & Son
Townsend, J., & Sons
PROPRIETARY ARTICLES
American Drug Stores
Anglo-American Drug Co.
Anglo-American Pharm. Co., Ltd
Ashton & Parsons, Ltd.
Atkinson & Barker
Barclay & Sons, Ltd.
Battle, Son & Maltby
Beecham, T.
Beiersdorf, P., & Co.
Box, W. H.
British Drug Houses, Ltd.
Burgess, E.
Capsuloids (1909), Ltd.
Christy, T., & Co.
Coleman & Co., Ltd.
Congreve, G. T.
Conoid Co.
Cox, A. H., & Co., Ltd.
Curry, Henry
Daggett & Ramsdell
Daisy, Ltd.
Danysz Virus, Ltd.
Da Silva & Co.
Davenport, J. T., Ltd.
Day & Sons (Crewe), Ltd.
Day, Son & Hewitt
Denonal, J., & Co.
Edwards, W., & Son
Elliman, Sons & Co.
Evans Sons Lescher & Webb
Faulding, F. H., & Co.
Fellows' Syrup
Fennings, Alfred
Ferris & Co.
Fulford, C. E., Ltd.
Goodall, Backhouse & Co.
Grapelax, Ltd.
Gutmann's Successors
Guy's Tonic Co.
Henry, T. & W.
Himrods Asthma Cure
Hovenden, R., & Sons, Ltd.
Hnghes, E. Griffiths
Ichthyol Co.
International Chemical Co.
Iron-Ox Rem. Co., Ltd.
Kay Bros., Ltd.
Keen, Robinson & Co., Ltd.
Kutnow, S., & Co., Ltd.
Lalor's, Dr., Phosphodyne
Lambert Pharmacal Co.
Lofthouse & Saltmer
Lorimer & Co., Ltd.
May, Roberts & Co.
Menley & James, Ltd.
Newbery, F., & Sons, Ltd.
Oatine Co.
Odol Chemical Works
Owbridge, W. T., Ltd.
Pedezy Co.
Phillips, Chas. H., Chem. Co.
Resinol Chemical Co.
Sangers'
Schimmel & Co.
Scott & Bowne, Ltd.
Smith, Maurice
Squire & Sons
Standard Tablet & Pill Co.
Stedman's Teething Powders
Thermogene Co., Ltd.
Thompson & Capper
United Chemists' Association.
Voss & Co.
Wilcox, Jozean & Co.
Wulfing, A., & Co.
Zotos, Ltd.
(*See also* Dentifrices and Toilet Articles)
PULVELLÆ
Warrick Bros.
PULVERETTES
Oppenheimer, Son & Co., Ltd.
PUMPS
Berkefeld Filter Co., Ltd.
QUININE AND SALTS
Boehringer, C. F., & Soehne
Carmichael, F. J., & Co.
Howards & Sons, Ltd.
Pointet & Girard
RAPE OILS
Hull Oil Mnfg. Co.
RAZORS
Auto-Strop Safety Razor Co.
Gillette Safety Razor, Ltd.
Hovenden, R., & Soos, Ltd.
International Distributing Co., Ltd.
RENNET
Fullwood, R. J., & Bland
Oldfield, Pattinson & Co.
RESINS AND RESINOIDS
Allen, S., & Sons, Ltd.
Allen & Hanburys, Ltd.
Morson, T., & Son
Ransom, W., & Son
Smith, T. H., Ltd.
RESPIRATORS
Zimmer & Co.
RUBBER GOODS
Burge, Warren & Ridgley, Ltd.
Davol Rubber Co.
Dunlop Rubber Co., Ltd.
Evans Sons Lescher & Webb,Ltd.
Fecher, M. J.
Galen Mfg. Co.
Hatrick, James L., & Co., Ltd.
Haywood, J. H.
Hovenden, R., & Sons, Ltd.
Hutchinson Co.
Maw, S., Son & Sons
May, Roberts & Co.
Wanklyn, H. A.
Warne, W., & Co., Ltd.
SACCHARIN
Saccharin Corporation, Ltd.
SALICIN
Macfarlan, J. F., & Co.
Smith, T. & H., Ltd.
SAMPLE CASES
Keane, Thomas
SANTONIN
Smith, B. A., & Co.
SAPONIN
Field, C. W.
Sthamer, Dr. R.
SAUCES
Goodall, Backhouse & Co.
SCALE PREPARATIONS
Morson, T., & Son
SCALES, WEIGHING
Parnall & Sons, Ltd.
SCIENTIFIC APPARATUS
Reynolds & Branson, Ltd.
SEA SALT
Tidman & Son, Ltd.
SEA-SICKNESS REMEDY
Zotos, Ltd.
SELTZOGENES
Aerators, Ltd.
SERUMS AND ANTITOXINS
Allen & Hanburys, Ltd.
Evans Sons Lescher & Webb
Parke, Davis & Co.
Schimmel & Co.
Wilcox, Jozeau & Co.
SHEEP-DIPS
Burt, Boulton & Haywood
Sanitas Co., Ltd.
Tomlinson & Hayward, Ltd.
SHOP-FITTING
Ayrton-Graham, Ltd.
Bowling Son
Congdon & Son
Evans Sons Lescher & Webb,Ltd.
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Armour & Co., Ltd.
Breidenbach & Co.
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Bronnley, H., & Co., Ltd.
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Lambert Pharmacal Co.
Resinol Chemical Co.
Wright, Layman & Umney
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McAdam & Tuckniss
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Davis, J. M., & Sons
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British Automatic Aerators, Ltd.
SODIUM BICARBONATE
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Vaporite-Strawson Co., Ltd.
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Chemists' Sundries, Ltd.
SOYA OIL
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Aerators, Ltd.
SPECTACLES
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Darton, F., & Co.
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Raphael's, Ltd.
SPHYGMOMETERS
Hicks, J. J.
SPIRIT OF WINE
Burrough, J., Ltd.
Preston's Liverpool Distillery
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SPONGE BAGS
Maw, S., Son & Sons
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Wanklyn, H. A.
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Interntl. Sponge Importers
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Wanklyn, H. A.
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Whitehead, R. R., & Bros.
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Davol Rubber Co.
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Burroughs Wellcome & Co.
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Haywood J. & H., Ltd.
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Galen Mfg. Co., Ltd.
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Hovenden, R., & Sons, Ltd.
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Lloyd, T. H., & Co.
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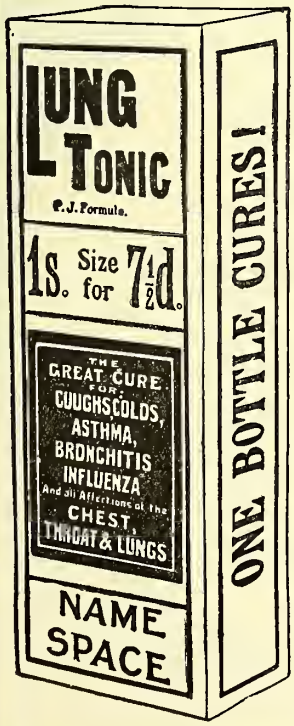

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For the warming of Pharmacies, Offices, Warehouses, etc., keen buyers have long recognised there is no more economical and effective stove than the

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Gas-Steam Radiator

The "St. Andrew" needs no flue—no piping. Can be placed in any position, and connected with ease to the existing gas supply. Cleanly—odourless—and fitted with our PATENT AUTOMATIC VALVE, which ensures the gas consumption being always kept at the minimum consistent with maintaining the Radiator at the right heat.

The "St. Andrew" is used in the Houses of Parliament, the Guildhall, G.P.O., and thousands of prominent buildings throughout the country.

Write for "Warmth at Will."

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450

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, OCTOBER 23, 1909.

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers) and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.** Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done **PROVIDED the MONEY is TELEGRAPHED** at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules.

Telephone: No. 852 Bank (two lines). **Telegraphic Address: "Chemicus London."**

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."

The Road TO SUCCESS is found by those who advertise in The C.&D. Supplement.

IT PAYS TO PAY TO ADVERTISE IN IT.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON, S.E.—Residential locality. *By order of the Trustee.* Good middle-class Business, Retail, Dispensing, and Photographic; returns (present rate) about £14 weekly; scope for large development; immediate sale desired; price £350.

2.—LONDON (Western Suburb).—Retail and Dispensing Business; established many years; returns (present rate) £900, increasing; *net profit over* 25 *per cent.*; handsomely fitted shop, fully stocked; price £750, or valuation terms entertained.

3.—LEWISHAM (near).—Ready-money Business; Retail, Dispensing, and Photographic; gross receipts average £1,200 yearly; *net profit* 25 *per cent.*; attractive, well-fitted shop; position good; rent £67; price £900.

4.—LONDON, S.E. (good-class Suburb).—Retail, Dispensing, Photographic, and Optical; established 1858; returns last year £700, increasing; *net profit* £245; large house, nice garden; price £350.

5.—RICHMOND (near).—Retail, Dispensing, and Photographic; all good middle-class business; returns £700; *net profit* £200; large double-fronted shop; comfortable house; terms £50 and valuation of stock and fixtures.

6.—LONDON, E.C.—Good-class Business, Dispensing and Retail; position unique; returns average £1,750 per annum; *net profit* £425; well-fitted shop, held on lease; price £1,500.

7.—HOME COUNTY.—Established Business, Retail, Dispensing, Prescribing, and Photographic; returns average about £1,000 per annum; *net profit between* £250 and £300; modern-fitted shop; comfortable house; price £500.

8.—WARWICKSHIRE.—Light Retail and Dispensing Business; returns last year £746, which produced a net income of £300; house contains 6 rooms; rent £30 yearly; price £400.

9.—WEST OF ENGLAND (Cathedral City).—Established Business, Retail, Prescribing, Dispensing, and Photographic; returns £500; *profit* (*net*) £180; well-fitted shop, corner position; main thoroughfare; price £250.

10.—WESTERN COUNTY.—Retail and Dispensing Business; held by vendor many years; returns exceed £1,400 yearly; scope for development; terms, goodwill £50, stock and fixtures at a fair valuation.

11.—HOME COUNTY.—Very old-established Business, Retail and Dispensing, with Wine and Spirit Department; the net income is £371; intending investors with £1,000 at command will find this a sound investment.

12.—BUCKS.—Mixed Business; established 1804; returns average £940; *net profit* £300; large house with garden attached; rent £60, held on lease; price £750.

13.—SOUTH COAST.—Good-class Business; returns last year exceeded £800; *gross profit* 50 *per cent.*; modern-fitted shop, double fronted; large residence; rent moderate; price £650.

14.—GLOS.—Cash Retail and Prescribing Business, capitally situate in the centre of town; returns £740; *gross profit* 40 *per cent.*; several good proprietaries are included; roomy house; price £550.

Particulars of any of the above will be furnished on application.

N.B.—NO CHARGE TO PURCHASERS.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasise the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

BRETT & CO.

VALUERS,

8 WEST ST., LEICESTER.

Telegrams, "Brett Leicester." Telephone 160 Y.

VALUATIONS have always had our special and personal attention, and an experience of thirty years is at your disposal.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a Purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE

1.—MIDLANDS.—A good steady General Retail in a very busy town; old established, together with a Tobacconist's adjoining; Chemist's returns £15 per week, Tobacco returns £50 per week; excellent premises; price £150 and valuation, about £600 (for the two Businesses); a rare opportunity.

2.—WEST MIDLANDS.—One of the finest Businesses in the district; pretty market town; very nice Family Retail, Agricultural, Photo, little Wholesale and Mineral-waters; excellent shop and premises; returns considerably over £2,000; price, goodwill and valuation, about £1,900; very profitable; vendor will consider partner with £1,000; references required.

3. GLOUCESTERSHIRE.—Very nice Retail, Dispensing, and Prescribing in very pretty district; returns nearly £800, and steadily increasing; good profits; good house and shop; price £550; an excellent business.

4.—CHESHIRE.—Good-class Retail and Photographic; rapidly increasing; good lock-up shop, but convenient; Post Office attached, which brings in £70 per annum; returns £430; valuation about £300; low rent; a rare chance.

5.—BRADFORD Suburb. — Mixed Cash Retail, Dispensing, and Prescribing, also Wines; old-established; in fine position; returns last year over £1,000; now about £14 per week; been neglected; can easily be worked up again; rent £35; price £120 only for quick sale.

6.—LONDON, W.—Good-class Retail and Dispensing in thickly populated residential neighbourhood; several valuable Proprietaries; splendidly fitted shop and excellent house; returns £650, and increasing; price £650, or valuation; worth prompt attention.

7.—YORKS.—In the busiest thoroughfare and in the centre of large manufacturing town, an up-to-date good-class Pharmacy; imposing premises; excellent house and shop; returns about £1,800; good profits; valuation, about £1,100; an excellent concern.

8.—MANCHESTER.—Good middle-class Retail; nice house and good shop; old established; returns £400; net profit £180; price £160, or will accept reasonable offer for quick sale.

PARSON C. BAKER

174 VICTORIA ST., LONDON, S.W.

Recommended by—MESSRS. BARRON, HARVEYS & CO.
MESSRS. MEGGESON & CO.
MESSRS. BARCLAY & SON, LTD.

Telephone: No. 27 Victoria.

LONDON, S.W.—Centre of leading thoroughfare; old-established Family and Light Retail, returning about £700, at good prices; shop well fitted and fully stocked; good house; net rent £53; price about value of stock and fixtures.

IN South East London; at junction of two good thoroughfares, an old-established and prosperous Cash Retail with Family trade; full particulars on application.

HAMPSTEAD.—Centre of leading thoroughfare, in good residential neighbourhood; on most advantageous terms, a neglected Business, returning £750; good shop; small house; price £200.

MIDLANDS.—Nice town, centre of beautiful tourist district, a Light Retail and Dispensing Business, returning £750 at good prices; shop well fitted and 6-room convenient house; rent £30, on lease; no near opponent; price £400.

Vendors are requested to state their requirements, as the above is a selection.

FREDK. WM. SMITH,

LICENSED CHEMISTS' VALUER.

Valuations for transfer of business, Probate, &c. Businesses for disposal. Stocks and Fixtures purchased to any amount for cash. Stocktakings undertaken. A Register kept of Assistants and Chemists requiring Assistants; no charge made.

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TELEPHONE 02949.

H. P. ALEXANDER,

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on reasonable terms.

Of well-known experience to London Houses.

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MESSRS. BERDOE & FISH,

Chemists' Valuers and Transfer Agents,

35 JEWRY STREET, FENCHURCH STREET, CITY.

TELEPHONE: 1809 CENTRAL.

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1.—SOUTH COAST.—High-class Dispensing and Retail Business in much-sought-after locality; returns over £1,450; nearly 8,000 Prescriptions dispensed yearly; handsome pharmacy, well stocked; price £1,250.

2.—THAMES VALLEY.—Good-class Retail and Dispensing Business; in central position; returns about £700; large house and garden; attractive shop, heavily stocked; price £550.

3.—EAST COAST.—Light Retail, Dispensing, and Prescribing Business, unopposed; returns average £800; good profits; scope for increase; very convenient house; well-fitted shop, heavily stocked; price £575 or offer.

4.—DEVON.—Good profitable Retail and Prescribing, with Dispensing; in splendid position; returns £500; net profit £190; fine corner shop and good house; price £300, simply valuation.

5.—COUNTY DURHAM.—Good-class Light Retail Business; easily worked; returns exceed £650, increasing; net profit £200; well-fitted shop, fully stocked; price £400.

6.—MIDDLESEX.—Light Retail and Prescribing Business; returns £500; fast-growing district; best position; low rent; good house and long garden; price for early sale £225; worth attention.

7.—DERBYSHIRE.—Unopposed Light Country Retail Business; returns over £600 under manager; plenty of scope; corner shop (lock up); rent only £15; price £250, or valuation.

8.—VICTORIA STATION (near).—First-class Retail; returns over £1,250; net profit £439; splendid position; price £1,000.

9.—SOUTH KENSINGTON.—Good-class Retail and Dispensing; returns over £1,100; net profit £350; main road position; price £850.

10.—MIDDLESEX (Northern Heights).—Good-class Retail and Dispensing, with excellent Specialities; returns over £1,900; splendid position; good residential locality; elegantly fitted Pharmacy, heavily stocked; price £1,250; personally inspected.

11.—WEST OF ENGLAND.—Unopposed Light Country Retail business; in small town; returns approach £500; good profits; rent £25; large house and garden; price £400 or near offer.

12.—CHESHIRE.—Light Retail, Dispensing, and Prescribing Business, in good position; returns £800, excellent profits; good house; well fitted and stocked; price £380, less than valuation.

13.—YORKSHIRE.—High-class Retail and Dispensing Business, increasing steadily; returns about £700; pleasant locality; practically unopposed; modern Pharmacy, well stocked; price, simply valuation, plus £50 goodwill.

14.—SURREY.—Good-class Light Retail Business; in growing residential town; returns £550; no heavy trade; net profit over £200; good house and garden; charming locality; price £450.

15.—NORTHANTS.—Profitable Light Retail Business; returns over £500 under management; half profit; unique position; unopposed; stands to do £700 to £800; low rent; good house; price £400.

16.—GLOUCS.—Good-class Retail, Prescribing, and Dispensing Business, in pleasant market town; returns £750 to £800, increasing; large shop; good position and heavily stocked; price £550.

17.—LONDON, S.W.—Busy main road; returns over £2,000; fine corner position; price £900 or valuation.

18.—LONDON SUBURB.—Light Suburban Retail; returns £610; net profit £240; price £325.

STOCKTAKING VALUATIONS.

MESSRS. BERDOE & FISH make a special feature of, and special terms for, periodical valuations for stocktaking purposes. We value the stock in full detail without disturbing the routine of the business in the slightest degree; in fact, when we finish you do not know we have been. Read page 115 in *C. & D. Diary*, and then write us for our Special Terms. Correspondence cordially invited.

BUSINESSES WANTED.

MESSRS. BERDOE & FISH are in immediate want of sound concerns returning from £800 to £3,000, particularly in the Home Counties, West of England, Midlands, and Manchester districts; cash buyers waiting, quick sales guaranteed, without publicity. Terms sent on application.

TOMTOM

Telegraphic Address.

THOS. TOMLINSON & SON,

Chemists' Valuers and Expert Stocktakers,

Businesses transferred privately.

29 NEW CANNON STREET, MANCHESTER.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents, or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 3d. for every 10 words beyond, prepaid.

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.

COLONIAL BUSINESSES.

We call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.

Replies to Advertisements may be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d. Trade circulars and samples can in no case be forwarded.

LONDON WHOLESALE MANUFACTURING

Tooth and Hair Brushes for Sale, owing to death of proprietor; trustees will sell for £1,000 as a going concern. Apply, Addis, 44 Herbert Street, Hoxton

BIRMINGHAM SUBURB.—A genuine Light Retail Business for Sale in residential district; pleasantly situated; good convenient house; a real bargain. Full particulars on application. 260/14, Office of this Paper.

CHESHIRE.—Well-established Dispensing and Light Retail; sole cause for disposal is owner's ill-health; returns £1,150; Prescriptions, 4,400; price £800, for which stock and fixtures count £650 and goodwill £150. Apply, "Bonum" (261/21), Office of this Paper.

CITY OF LONDON.—To ensure quick Sale will accept low price for Retail and Dispensing Business in main thoroughfare; genuine and increasing; handsomely fitted; moderate rent; worth attention. "Civis" (264/24), Office of this Paper.

COVENTRY.—Mixed Cash Retail; returns about £450; unqualified; might be doubled by energetic, qualified man; owner giving up the Retail to develop the Wholesale; price £250 (including the lease, worth £150); best position in busy working-class neighbourhood. 261/17, Office of this Paper.

EDINBURGH.—Dispensing and Retail Drug Business in good-class neighbourhood in town for early Disposal; stock light and in good condition; well fitted; moderate rent; full particulars to *bona-fide* inquirers. Apply, Messrs. T. & H. Smith, Ltd., Blandfield Chemical Works, Edinburgh.

KENT.—Chemist's Business for Sale; unopposed; population about 6,000; large agricultural district; ill-health cause of sale; good opening for smart business man; price £200. Apply, 261/11, Office of this Paper.

KENT (within 15 miles of Town).—Good-class Retail and Dispensing Business, returning over £1,800 per annum, and dispensing over 10,000 prescriptions; net profit between £450 and £500; good house, long lease; price £1,250; most satisfactory reasons for sale; strict investigation courted, and only cash buyers treated with. "M. J. T." (264/52), Office of this Paper.

LONDON.—Splendid opportunity for young Chemist with energy and ideas to acquire a well-fitted and stocked shop in main road; doing moderate business at present, but capable of great increase; price about £300; particulars to bona fide applicants; no agents. "D. G." (264/30), Office of this Paper.

LONDON.—An exceptional opportunity for an enterprising young Chemist to make a fortune within a reasonable time; profitable trading and good Proprietaries; rent moderate; every investigation allowed and full satisfaction guaranteed; medium locality. Apply for particulars to "M. P. S." (264/9), Office of this Paper.

LONDON, S.W.—Established Business, Retail, Dispensing, Photographic; opening for Dentistry; well fitted; double fronted; electric light, telephone; modern trade; on lease; small goodwill; valuation stock and fixtures or lump sum. "West" (263/38), Office of this Paper.

MIDLANDS.—For Disposal, Chemist's Business; situated in main street of large country town; Light Retail and Photographic trade; turnover £1,100; stock and fixtures about £600. Apply to "Delta" (260/8), Office of this Paper.

VICTORIA PARK, E. (near).—Old-established Cash Retail and Prescribing Business; returns about £400 (increasing), yielding net income of £150 per annum; well stocked; in excellent position; same hands 12 years; low price. 264/7, Office of this Paper.

W.C.—An old-established Chemist's Business for immediate Disposal; near Lincoln's Inn, Chancery Lane. Apply, "Delta," o/o Hearon, Squire & Francis, Graham Street, City Road, N.

WEST END.—Well-fitted Pharmacy, Prescribing, and Dispensing; good situation; doing about £350; cash business; rent ridiculously low; practically no opposition; any reasonable offer accepted. "Pharmacist" (263/25), Office of this Paper.

CHEMIST-OPTICIAN; good solid connection, capable of great extension; situated in a main leading thoroughfare; Pharmacy handsomely fitted in up-to-date style; electric light; good chance for a smart man to do cash trade; rent of shop with back room £23 per annum. Tideswell, Produce Exchange Buildings, Liverpool.

DRUG STORES; London, E.; working-class district; old established; returns under lady's management from £7 10*s.* to £8 10*s.* weekly; easily worked; mostly penny trade; very profitable; suit lady or gentleman; a good cheap Prescriber would do well; price (all at) £150; thoroughly genuine; full investigation courted; a comfortable small house with side entrance. Apply, 264/29, Office of this Paper.

FOR Disposal, Retail Drug-store, warehouse and office attached; suitable for working small Wholesale business; splendid opening for qualified Chemist; thickly populated district; main thoroughfare; office and warehouse optional. Apply, Field's Buildings, Sandbeds, Queensbury, near Bradford.

GOING ABROAD.—Good-class Business in main street, healthy London suburb; established 60 years; changed hands once in 40 years; no Stores near; double-fronted shop, well stocked; 6-roomed house; good garden; rent £36; long lease; returns £600, increasing; net profit £190; books kept; annual Prescriptions, 1,000, besides doctors' Dispensing; good prices; few Patents; busy season just commencing; exceptional opportunity for gentlemanly man; price £400; no agents. "Mercury" (260/39), Office of this Paper.

MEDICAL HALL (Belfast) for Sale; Dispensing and Retail Cash trade; leading thoroughfare; 32 years established; Medical patronage; owner retiring; splendid opening for young man. Apply, Macfarlane, 133 Royal Avenue, Belfast.

OLD-ESTABLISHED Retail and Dispensing Business in good-class residential London district; net profit £350. Full particulars on application to 265/7, Office of this Paper.

BUSINESSES FOR DISPOSAL

(continued.)

OLD-ESTABLISHED Mixed Business, Drugs and Groceries, in large healthy village; owner retiring; large roomy house, good garden; rent, rates, etc., only £20; stock and fixtures £150, or valuation; Nottinghamshire. 261/33, Office of this Paper.

SACRIFICE.—Drug-Stores in rapid developing district, Birmingham; well fitted and fair stock; must be sold; owner going abroad; unique opportunity for qualified or unqualified man with small capital; unlimited scope for increase; exceptionally good house, 12s. per week clear; for quick sale will take £80 or close offer. "Drugs," 9 St. Mary's Road, Bearwood, Birmingham.

SPECIAL OFFER.—Old-established profitable Chemist's Business in Western seaport; average takings last three years £1,300; excellent reasons for disposal. For full particulars apply, "Lyn," o/o 25 Westwell Street, Plymouth.

SUDDEN DEATH.—In consequence of the sudden death of the proprietor an old-established Business (in the same hands 62 years) must be Sold at once; price, value of stock and fixtures only; good house; in best part of Staines; low rent. Apply on premises, 27 High Street, Staines.

TRUSCOTT & MORRIS, 11 Bond Court, Walbrook, E.C., have the following Businesses for Sale; London, good Retail and Dispensing, returns £1,500, price £750; Suburbs, returns, £646, price £450; Middlesex, returns £460, price £160; Yorkshire, returns £7 per week, price £150. For further particulars write or call at above address.

£130.—Light Cash, Retail, and Prescribing Business; good situation and convenient house; low rent; good profits; rare chance; no agents; situated in Somerset; population nearly 5,000; opposition small. Address, "Chemist" (260/7), Office of this Paper.

£225 secures a genuine cash Retail and Prescribing Business; N.W. district, close to Tube station; present net profit about £250; qualified man would do much more; net expenses 21s. weekly; stock worth at least £200; books properly kept; trial allowed; only requires seeing. Address, "Urgent" (264/25), Office of this Paper.

£320 all at; vendor, retiring from Retail, desires quick sale; good suburban district; main thoroughfare; large city in Yorkshire; Wines and Spirits (free); first-class residence at low rental; few patents; suit one with Stores experience; present returns £850; great possibilities for immediate increase. "Prospect" (262/14), Office of this Paper.

£500; exceptional offer; owner going abroad; 2 sound, genuine Cash Businesses for immediate Disposal at above inclusive price, or would sell separately; good living accommodation with large, old-fashioned garden; long lease; low rental; Kent (near London). For further particulars write to 263/20, Office of this Paper.

BUSINESSES WANTED.

MEDIUM or good-class town or country Business; state net profit, returns, rent, and cash price; viewed if suitable; all communications treated confidentially. "Chemist," 64 Barnmead Road, Beckenham, Kent.

SOUND Business in pleasant country town or seaside resort; North of England or South of Scotland preferred; house and garden if possible; healthy bracing district essential; capital to about £300. Full particulars in strict confidence to "Cumberland" (261/31), Office of this Paper.

WANTED to Purchase for cash, good middle-class Cash Retail, showing net profit of £200 or over; London or suburbs; good position and lease; roomy premises, with house suitable for letting off; neglected business or succession to elderly gentleman retiring entertained; references if required. Particulars, in confidence, to "Mistura" (260/4), Office of this Paper.

WANTED, small Wholesale Business or Partnership in larger concern; capital to a reasonable amount at command; if on purchase an introduction will be required; Drysalteries, Oils, Agricultural or General requirements, Drugs, Disinfectants, etc. 261/36, Office of this Paper.

WANTED, a good class Business within an easy distance of London. Full particulars to "S. B. G." (258/4), Office of this Paper.

FOR SALE.

FOR Sale, the whole of the Fixtures and Trade Utensils, comprising wall-fixtures, counters, wall-cases, counter-cases, dispensing-scales, window-fittings, shop-rounds and jars, etc. Apply, J. & J. Thompson & Co., Ltd., 192 Manchester Street, Oldham.

HYDRO Extractor, by Broadbent, 36-in. copper basket, belt driven, price £18; also Galloway-type Lancashire boiler, 30 ft. by 7 ft., insured for 80-lb. pressure, complete with all fittings and mountings and fitted with automatic stoker; £80. Joyce, White Hart Lane, Tottenham. Telephone 1749 Tottenham.

SHOPFITTINGS, Drugfittings, Wall Cases, Window Enclosures, Dispensing-screens, Serving Counters, Counter Cases, Centre Cases, Drawers and Shopfittings of every description; before deciding on your shopfittings get my price, it will pay you; 30 years' experience. George Cook, The Working Shopfitter, 8A Cross Street, Islington.

SODA-WATER Apparatus, Anglo-American Co.'s, No. 3 carbophone, hand-power pump, 10-gal. carbonator, tin lined, pressure gauge, aëration by fine spray; filling, aëration, and pumping may all proceed together; also block-tin piping and syphon-filler; cost over £34; will sell and deliver free for £22; new 2½ years ago. 253/16, Office of this Paper.

TO LET.

SHOP to Let, Turnham Green Terrace, W.; suit Chemist and Druggist; important thoroughfare; best side; excellent living rooms above; rent £50. Apply, Jones, 12 Old Jewry Chambers, E.C.

SHOP to Let at Shepherd's Bush for Chemist's business; King's Parade; ideal opening for a Chemist in this neighbourhood; corner of Askew Road and Goldhawk Road; one of a handsome block of 9 recently erected; most populated district; a large and increasing business-centre, borne out by report from adjoining tenants; large spacious shops, comprising very large shop, 17 ft. wide, 35 ft. deep, sitting-room, dining-room, 3 large bedrooms, kitchen, scullery, pantry, bath-room, 2 w.c.'s, back entrance; electric trams pass the door to all parts; to be let to a responsible tenant only, at a low rental; key can be had from tenant next door. Apply owners, Teuten & Co., Ltd., 221 Upper Thames Street, London, E.C.

PARTNERSHIPS.

ENERGETIC businesslike Pharmacist (27) desires Partnership in a good-class Dispensing and Cash business with ultimate desire to purchase the whole business; £400 at once available; strictest references required and given; no agents. "H. W." (262/6), Office of this Paper.

AGENCIES.

FRANCE.—An English house, with headquarters in Paris and extensive connections throughout France amongst the large Department Stores, Chemists, Perfumers, etc., is open to accept Agencies for advertised lines or to undertake the introduction and sale of attractive novelties. Write, "M.P.S." (209/11), Office of this Paper.

DANISH firm, young and energetic, desires Agencies for Perfumery and Toilet Articles in Scandinavia; first-class references; partner will be in London end of October. Address 253/33, Office of this Paper.

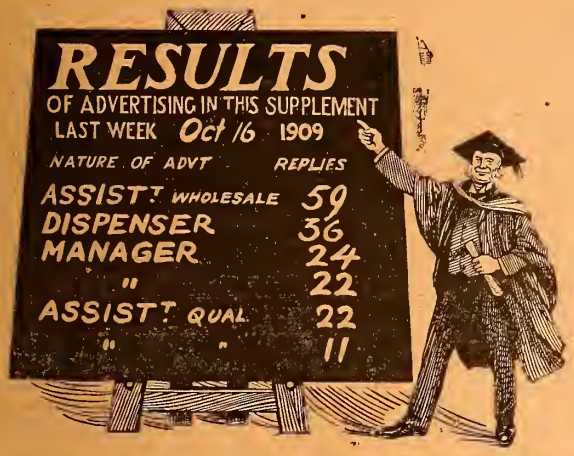
REPRESENTATIVE Agents required in all parts of the United Kingdom by new-established manufacturing firm of high-class Eau de Cologne and Cosmetics. Only those who are well introduced in the trade may apply to 263/11, Office of this Paper.

BOARD AND RESIDENCE.

TO ASSISTANTS AND OTHERS.—Apartments; board optional; moderate terms. Address, Mrs. Louisa B. Privett, No. 4 Guilford Place, Russell Square, W.C. Established 1886. Telegrams, "Hightoned," London.

SITUATIONS OPEN.

3s. 6d. *for* 50 *words or less;* 6d. *for every* 10 *words beyond, prepaid.*



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of advertisers who use a number or nom de plume.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.

BE BRIEF BUT CLEAR—millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that *the Advertiser* pays postal charges in such cases, and perhaps this reminder will obviate the necessity of the constant return of remittances which forgetfulness of this fact entails.

REPLIES TO ADVERTISEMENTS may be addressed to this Office and forwarded to the Advertiser for an additional charge of 6*d.* Trade circulars and samples can in no case be forwarded.

RETAIL.

BEDFORD.—Wanted, a reliable gentlemanly Junior Assistant; outdoors; comfortable situation to a reliable man. Wyatt, Chemist, Bedford.

BOMBAY.—Assistant (just through his exam. preferred) for an English firm of Chemists; two other qualified Assistants kept; passage P. & O. paid out and home; 3 years' agreement; salary first year £175, second £200, third £215. Apply, with photo and copy testimonials, to "Bombay," c/o S. Maw, Son & Sons, 7 to 12 Aldersgate Street, E.C.

BRIGHTON.—Wanted, a qualified Assistant, about 24 or 25 years old; sleep in, meals out. Send photo, state height, salary required, to Glaisyer & Kemp, Chemists, North Street, Brighton.

CALCUTTA.—Qualified (Minor) man of good experience and first-class references required for Calcutta; age under 28; single; 4 years' agreement; passage paid out and home. Full particulars on application to 224/4, Office of this Paper.

LANCASHIRE.—Medical man requires experienced Dispenser (male), about 35; single; good references; morning and evening hours; no bookkeeping; salary £1 10s. per week (outdoors). Apply, by letter, 261/29, Office of this Paper.

LIVERPOOL.—Outdoor Assistant, age 25 to 30, accustomed to quick modern trade. Apply, stating experience, age, height, and salary required, to "Kudos" c/o Messrs. Hy. Jackson & Sons, School Lane, Liverpool.

LONDON, W.—Assistant, with good Dispensing experience (outdoors); hours 8.30 to 8.30, Sunday duty every third from 6 to 8 P.M. Bruce's, Ltd., 28 Broadway, Ealing, W.

LONDON Suburb.—Qualified Assistant; indoors; good-class Retail, Dispensing, and Photographic; half-day weekly; Sunday duty 2½ hours fortnightly. Particulars, including age, height, experience, salary required, enclosing photo, to Matthews (Cash Chemists), Ltd., High Road, Leyton, N.E.

LONDON, S.W.—Junior Assistant (outdoors) for Retail and Dispensing; knowledge of Photography, Printing and Developing essential; time for study could be arranged. Apply, by letter only, stating experience, salary required, to R. A. Waddell, Pharmacist, 686 Fulham Road, S.W.

LONDON, S.W.—Junior (indoors), with good experience in Dispensing. Apply, giving full particulars (with photo, to be returned), to W. A. Goodall, Pharmaceutical Chemist, 273 Fulham Road, S.W.

LONDON, S.W.—Junior Assistant; indoors; qualified preferred; if unqualified not under 25; half-day off weekly. Please enclose photo (to be returned) and full particulars as to salary, etc., F. T. Tupholme & Son, Coleherne Terrace, Earl's Court, London.

LONDON, S.W.—Smart Junior Assistant; about 21; indoors; accustomed to Dispensing and Light Retail; knowledge of Optical business an advantage, but not essential; weekly half-holiday. State when disengaged, age, height, experience, salary required, and enclose photo. or call, "Pharmacist," 76 High Street, Wimbledon.

LONDON, N.E.—Assistant, for good-class suburban Branch; must possess a fair knowledge of Photographic trade; off one day every week at 2; to reside on the premises, where everything is provided. State age, height, experience, and salary expected, enclosing photo if possible, Matthews & Son, 722 High Road, Leytonstone.

LONDON, S.W.—Qualified Assistant, quick and accurate Dispenser (from 22 to 25 years of age), for a high-class Dispensing business; outdoors, but to sleep on the premises. Apply, by letter, stating experience, salary, and when disengaged, Mr. Jenkins, c/o Messrs. Cooper, Son & Co., Ltd., 24 Sloane Street, S.W.

LONDON, N.—Qualified Manager; not over 30 years; one whole day off weekly; outdoors; knowledge of Photography. Long, 128 Upper Clapton Road.

LONDON, N.W.—Manager, qualified, for small suburban Cash Retail; elderly but obliging and active gentleman entertained; easy berth; rooms provided. State age, salary (must be moderate), to "M." (261/10), Office of this Paper.

LONDON, S.W.—Required, soon, a qualified Assistant (outdoors) to take charge of a Branch with experience in Store business; must have good recommendation. Apply to T. Reece, 53 Harley Street, W., or, if by letter, state age, salary, and experience.

LONDON, S.W.—Required, in the Dispensary of a high-class West-end house, the services of a qualified Dispenser; Minor qualification; age under 30; light hours, approximately 9 A.M. to 6 P.M., Saturdays till 2 P.M.; no Sunday work. Apply, stating full particulars of past experience, to 1486, Sell's Advertising Offices, Fleet Street, London.

LONDON, W.—Qualified Junior (24 or 26 years) as Dispenser in good-class West-end business; outdoors. Apply, "H. M. B." (265/4), Office of this Paper.

LONDON, W.—Smart unqualified energetic Assistant required for Counter in high-class business; age about 25; outdoors; one having London Store experience and a good knowledge of French preferred. Apply, S. F. Goss, Ltd., 134 Regent Street, W.

LONDON.—Unqualified Assistant for high-class Retail and Dispensing; indoors; only one kept; must be well recommended and have had good Dispensing and Retail experience. State salary required and full particulars, enclosing photo if convenient, "Pharmacist," c/o British Drug Houses, Ltd., 22/30 Graham Street, City Road, N.

SITUATIONS OPEN *(continued).*

MAIDSTONE.—Vacancy October 25 for capable, energetic Assistant for medium-class business; about 23; hours 8.30 to 8.30; Saturdays 10; close Wednesdays at 1; closed Sundays; outdoors; must be obliging and good salesman. State firms been with and salary required to Payne, Pharmaceutical Chemist, Maidstone.

PENARTH.—Wanted, an energetic Assistant; about 23; Dispensing, Photography; good Window-dresser; outdoors. Particulars as to salary, etc., in first letter, Benjamin, Chemist, Penarth.

RYDE, I.W.—Wanted, Indoor Assistant; about 25; one used to high-class Dispensing business, also with Photographic knowledge; hours 8 to 8, 9 Saturdays, one hour off every morning, and half-day weekly, with alternate Sunday and night duty. Apply, stating age, height, and salary required, with photo if possible, to Tenison Smith, Ryde, I.W.

TUNSTALL (STAFFS).—Manager with early purchase of Cope's Pharmacy; centre town, 20,000; smartly fitted mahogany; cost £300; present owner unable superintend; offers going concern, thoroughly overhauled, cheap; hospital, doctor supplied; special Optical work waiting Optician; finest chance in Potteries; particulars at inspection; state cash available; £150 lowest deposit. Mavor, Chemist, Crewe.

WEST-END Pharmacy; qualified Senior man with West-end experience; indoors. State previous experience, salary, and photo to "X. Y. Z.," 3 Linacre Road, Willesden Green, N.W.

WIDNES.—Qualified Branch Manager; one with cash trade experience preferred. State age, height, salary required, to Foggitt, Chemist, Southport.

A. G. GLASSPOOL, LTD., Halesowen, require a qualified Manager, married, to live on premises, for Branch; personal interview essential. Applicants must be well up in photo and not afraid of work.

ASSISTANT wanted, by November 18, unmarried, to take charge of small Branch Drug-store; indoors; moderate salary; the duties light, no Sunday duty; would suit a middle-aged man; Croydon district. Apply, letter, "D.," Davy Hill & Hodgkinson, 22-30 Graham Street, City Road, E.C.

IMMEDIATELY.—Assistant as Dispenser in Pharmacy and Doctor's Surgery; gentlemanly, energetic, and had good Dispensing experience. Apply, age, references, salary (indoors), Bailey, Chemist, Boston.

LOCUM.—Wanted, a qualified man to Manage a business in South Wales for a week or a month according to circumstances; must be Welsh. Apply, with references, to "G." (258/23), Office of this Paper.

MANAGER, qualified, for small branch; young man recently qualified preferred; knowledge of Dentistry preferred, but not essential. State salary required and enclose photo, Bewell's, Cash Chemists, Pitfield Street, N.

MANAGER.—Wanted, a steady, energetic, reliable, qualified Manager for Branch; an abstainer, to live on the premises; one between 50 and 60 preferred; unfurnished house provided, rent, rates, and taxes free. Apply by letter (application not answered in four days declined), to T. E. Rossiter, Central Pharmacy, Tiverton, Devon.

MANAGER.—Competent Manager for Lancashire Manufacturing town; knowledge of Optics essential; one with view to succession preferred. Apply, F. J. Parker, Pharmacist, Huyton, Liverpool.

MANAGER (unqualified) for Drug-stores; live on premises; abstainer; must have undeniable references; give full particulars in first letter as to salary, experience, age, &c.; only first-class men need apply; interview to be arranged. Apply, "First Class" (260/40), Office of this Paper.

MANAGER for Branch; about 30; qualified; hours midday to midnight; no Sunday duty; recent West-end experience preferred; outdoors. Apply, 211/9, Office of this Paper.

MANAGER required for London Suburban business; must be up-to-date and able to meet competition; salary and share of profits. Please state full particulars, enclosing photograph, to "B. N." (264/32), Office of this Paper.

MANAGER for Branch Shop to live on premises; salary and commission. Apply, 264/35, Office of this Paper.

QUALIFIED preferred, but not essential, about 26, smart, for cash business; outdoors; half-holiday weekly; Photography, Counterman, Window-dresser. Apply (letter only), stating full particulars, when disengaged, and enclosing photo, to J. Thompson Appleton, The Walkley Pharmacy, Sheffield.

QUALIFIED Assistant for Suburban and Country business close to London; capable and energetic; young; abstainer. Full particulars with photo, salary required, to "Resourceful" (263/18), Office of this Paper.

WANTED, fully-qualified Assistant (aged about 30 years) to take senior position in large first-class Pharmacy; one able to control in absence of principal. 258/22, Office of this Paper.

WANTED, immediately, qualified Manager for business in Fareham; indoors; comfortable home; good salary to suitable man. Apply, stating references and full particulars, enclosing photo, to Kirkham, Chemist, New Milton.

WANTED, smart qualified Dispenser; able to take entire control of Dispensing in a high-class business. 258/202, Office of this Paper.

WANTED, qualified, smart, energetic Manager, about 25; outdoors; no Sunday duty; half-holiday weekly; mixed working-class trade; Extractor and knowledge Photo preferred. Address all particulars and salary required, enclosing photo, to "Pharmacist," 1 Featherstall Road North, Oldham.

WANTED, an Assistant, about 23 to 25 (qualified), for Dispensing business. State age, height, salary (indoors), when disengaged, experience if Dispensing and Photography, names of two last employers, and time with each. 262/20, Office of this Paper.

WANTED, a qualified Manager (married) for Branch establishment; one who understands Photography. Apply, with photograph and testimonial, to E. C. Ashford, Chemist, Northampton.

WHOLESALE.

SCOTLAND.—Drug Traveller wanted. State age, experience, and connection, "Scotia" (204/69), Office of this Paper.

CAPSULES.—Wanted, an experienced band to superintend the Manufacture of hand-made Capsules. State age, experience, wage required, Wigglesworths', Duke Street, Bolton.

INVOICE Clerk (Junior) wanted, with trade knowledge; must be a neat writer and quick and accurate worker. Apply, stating age, experience, and wages required, to 259/13, Office of this Paper.

PERFUMERY and Druggist Packing.—Forewoman, with thorough practical knowledge. Apply, by letter only, stating experience and wages required, Sangers, 42A Hampstead Road, N.W.

PILLMAKER wanted, with thorough practical experience of Pill Making and Coating. State age, experience, and wages required to 259/14, Office of this Paper.

REPRESENTATIVES wanted, London and provinces, calling on Wholesale Druggists, Confectioners, Mineral-water Manufacturers, etc., to sell Essential Oils and Concrete Essences; suitable terms to right man. Apply, 209/10, Office of this Paper.

REQUIRED, qualified Chemist for manufacturing special Milk Preparations. Address, N., Box 4, c/o Willing's Advertising Offices, 73 Knightsbridge, S.W.

TRAVELLER wanted, used to Drug-trade, principally for London. Write full particulars, age, salary, and previous positions "S. T." (257/23), Office of this Paper.

WANTED, Representative for London and South Coast (separately), on commission; first-class Specialities of a well-known manufacturing firm with good sale, as Side-lines. Apply to 262/37, Office of this Paper.

WANTED, firm to share expense of Traveller calling upon Grocers, Druggists, etc., in Germany. Write, 265/2, Office of this Paper.

SITUATIONS WANTED

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid.

RETAIL.

JUNIOR; 20; Photography, General; Manchester or district preferred. Taylor, Walpole Street, Rochdale.

ASSISTANT; 21; good all-round experience; excellent references; disengaged. Kirk, 41 Russell Street, Nottingham.

DISPENSER; 30; qualified; good references; disengaged. "Rosary," Gloucester Road, Hampton-on-Thames.

QUALIFIED; 21 years' good experience; reliable; Hull district preferred. Jackson, Bridge House, Hornsea, E. Yorks.

MANAGER, qualified, married, good salesman, middle-aged, to live on premises; excellent references; reliable. 257/20, Office of this Paper.

JUNIOR or Improver (20) desires situation; good Dental Mechanic and Extractor; South Coast preferred. "G.," 13 Drummond Road, Portsmouth.

JUNIOR Improver; 19; disengaged December 13; good Dispensing experience wanted; Liverpool district preferred. Benson Evans, Anwylfa, Denbigh.

PERMANENCY required by qualified gentleman; 30; Photo, Prescriber, Dispenser; at present managing branch. 258/2, Office of this Paper.

QUALIFIED; Assistant or Manager; or position in Wholesale; married; aged 29; knowledge of Photography. Address, 257/6, Office of this Paper.

QUALIFIED (25) desires permanency; outdoors; good experience; Dispensing, Photography; disengaged. P. Wesley, 2 Gordon Place, Newquay, Cornwall.

JUNIOR, tall, good references, knowledge of Optics, requires part-time situation near South London Schools. W. Ashworth, 1 Grand Parade, Highgate, N.

MANAGER or Assistant; qualified; country preferred; used to Store trade, also Agricultural business; age 50. Dawson, 1 New Street, Burton-on-Trent.

LADY Dispenser, qualified, bookkeeper, 4 years' experience, desires post with doctor in or near London; excellent testimonials. "D.," 6 Wrottesley Road, Plumstead.

DISENGAGED November 6; excellent references; good all-round experience; permanency; unqualified; outdoors preferred; height 5 ft. 7½ in.; age 23. 257/29, Office of this Paper.

SENIOR Assistant or Manager; unqualified; good all-round experience, London and provinces; exceptional references; married; 32. "Rufus" (258/26), Office of this Paper.

QUALIFIED; 28; Manager, Assistant, or Locum; first-class experience; disengaged; North of England preferred. "Pharmacist," 158 Armstrong Road, Benwell, Newcastle-on-Tyne.

ABSTAINER; 26; unqualified; all-round experience; excellent references; energetic; disengaged; in- or out-doors; Midlands or North preferred. Thornley, c/o Charles, Chemist, Brecon.

MANAGER; excellent experience; good references from last and present employers; qualified and reliable; industrious and capable; progressive salary. "Excelsior," 71 City Road, Bristol.

ASSISTANT or develop business; exceptional modern experience (partly London); unqualified; 34; disengaged; competent Prescriber; good references; Extractor. 54 Darnell Street, Newcastle-on-Tyne.

MANAGER; Minor; aged 39; married; abstainer; good all-round experience, particularly Agricultural and Photographic; permanency preferred; just sold business after 14 years; references to the best wholesale houses; not afraid of work. Please state salary and hours, "Yorkshire" (258/6), Office of this Paper.

UNQUALIFIED; 30; tall; experienced; disengaged. Reeve, 14 Sutherland Avenue, W.

ASSISTANT; good-class Store experience. "Rhei," 72 Broadway, South Shore, Blackpool.

UNQUALIFIED; 40; tall; Prescriber; experienced; moderate salary. "T.," 1 Greek Street, W.

MORNING, afternoon, daily, evenings Sunday; salary moderate. Hall, 55 Lady Margaret Road, N.W.

PART-TIME; qualified; Wednesdays, Saturdays 2 P.M., evenings 6 P.M. "H.," 27 Ferme Park Road, London, N.

BRANCH Manager; 36; tall; just disengaged; married; permanency. "Chemist," c/o Kendall, Myton-on-Swale, York.

JUNIOR, good experience, height 5 ft. 9½ in., wishes position in or near London. Spackman, c/o Mr. England, Chemist, Romford.

JUNIOR; 22; tall; time for study; outdoors preferred. G. Almeroth, Egremont House, Heigham Road, East Ham, Essex.

QUALIFIED; tall; 28; all-round experience; good references; Rochdale district or Manchester. "Minor," 107 Entwisle Road, Rochdale.

ASSISTANT; married; 26; good Dispensing experience; highest references; unqualified; no Stores. "Barium," c/o Post Office, Hook Norton, Banbury.

JUNIOR Assistant; 20; Dispensing, Photographic; London or South country, London preferred; disengaged November 16. 253/27, Office of this Paper.

ASSISTANT; 36; competent, smart salesman; thorough knowledge of the business; unqualified. "Statim," c/o J. Gibbs, Sourhall, Todmorden, Lancs.

MANAGER or Senior; qualified; outdoors; 27; London or provinces; City and West-end experience. "Chemious," 19 Anley Road, West Kensington Park, W.

DISPENSER, Bookkeeper (lady), Hall certificate, desires appointment, Chemist, Doctor, or Institute; 5 years with Chemist. "M.," 281 High Street, Lewisham, S.E.

ASSISTANT; 25; tall; first-class experience; Dispensing, Counter, and Photographic; excellent references; unqualified. "D. J.," 8 Arthur Street, Gloucester.

MANAGER; qualified; 37; 5 ft. 9 in.; first-class London and provincial experience and references; disengaged shortly. B. Kilvert, 98 Moston Lane, Manchester.

DISPENSING or Retail by gentlemanly man; neat Dispenser; good salesman; sound references; small salary. Kemp, 1 Churchyard Row, Newington Butts, S.E.

GENTLEMAN, age 40, requires post as Manager; qualified; has successfully carried on own businesses for last 15 years; disengaged shortly. 258/40, Office of this Paper.

MANAGER; 29; qualified; highest references; thorough all-round home and Continental experience; considered good Prescriber and salesman. "B." (259/26), Office of this Paper.

FIRM Store Chemists desire recommend Assistant (37), now leaving after season; excellent Counterman, Prescriber, and all-round man. "Employer," 220 Elm Grove, Brighton.

MANAGER or Locum; qualified; West-end, City, and Store experience; smart Counterman and Dispenser; disengaged; good references. "M.P.S.," 20 Denholm Road, Maida Hill.

MAJOR man requires situation as Manager; married; abstainer; experienced; highest references; reasonable salary for good work. Address, "Chemist," 26 Clarence Road, Seacombe.

ASSISTANT; 22; 6½ years' good Dispensing experience; Photography and Retail; abstainer; tall; Midlands or North preferred; outdoors; disengaged. Apply, 259/2, Office of this Paper.

SITUATIONS WANTED (*continued*).

JUNIOR or Improver. Fisher, 53 King Street, Cambridge.

DISENGAGED; qualified; 28. "Br.," 5 Lenham Road, Lee, S.E.

JUNIOR; 22; unqualified; disengaged. Lloyd, 125 Sumatra Road, West Hampstead, N.W.

JUNIOR (21), 5 ft. 9 in., in Lancashire or Midlands; disengaged. Andrews, Hawkstone, Rhyl.

ASSISTANT; 24; unqualified; good experience; 8 years'. Besanalt, 19 Bank Street, Darwen.

JUNIOR; Stock or Counter; good references. A. Godfree, 52 Beresford Street, Camberwell, S.E.

LOCUM; twice weekly from 3 P.M.; highest references. "Rhei," 37 St. Mary's Road, Walthamstow.

PART-TIME or evenings; 30; experienced; excellent references. "F.," 142 Jubilee Drive, Liverpool.

QUALIFIED; 30; good-class experience and references. "Statim," 11 Weaste Road, Weaste, Manchester.

PART-TIME; unqualified; 23; Dispenser, Counter, Photography, etc., Holden, 23 Marsh Terrace, Darwen.

PHARMACIST; 23; good experience; Locum or permanency. Thomas, c/o Gower, Pharmacist, Llanelly.

ASSISTANT; outdoors; qualified; tall; 38; town, country. "Chemist," 47 St. Mary's Terrace, Hastings.

ASSISTANT; unqualified; capable; Dispensing and Counter; aged 27. Dickin, 3 Market Place, Dalton-in-Furness.

QUALIFIED Manager; middle-aged; abstainer; North preferred; disengaged. "J. B.," 10 Raby Street, Darlington.

UNQUALIFIED; 30; Photographic, Dispensing; references. Weale, 7 Worcester Street West, Brynmawr, Breconshire.

MANAGER; qualified; young; first-class experience; disengaged. "Chemist," 30 Rusholme Place, Rusholme, Manchester.

DISENGAGED; 38; unqualified; London experience, Branch and Assistant; work any department. Fletcher, Black Horse Yard, Whitby.

ASSISTANT, good Dispenser, with references, working for Minor; 6 years' experience; suburbs preferable. "T.," Manor House, Tenterden, Kent.

ASSISTANT, age 24, height 5 ft. 5 in., college trained, used to good-class businesses, requires a situation. Evans, 40 Forster Street, Smethwick.

MANCHESTER or District.—Part or whole time; thoroughly experienced; excellent references; unqualified; 25. Brown, 6 Stamford Road, Altrincham.

EXPERIENCED Assistant; good Dispenser, Window-dresser, Counterman, Photography; last engagement nearly 6 years. "H.," 20 Acton Lane, Harlesden, N.W.

IMPROVER; tall; part-time; Dispensing business preferred; knowledge of Counter and Photography; London only. Apply, "Statim," 49 Elizabeth Street, Belgravia, S.W.

UNQUALIFIED; 32; 16 years' good all-round experience; Mixed Country Dispensing, Photographic, Prescribing; moderate salary. "G.," 20 Grove Road, Sparkhill, Birmingham.

NOTTINGHAM (or near).—Assistant; unqualified; good all-round experience; liberty November 8; satisfactory references; temporary or permanent. "T.," 91 Goldsmith Street, Nottingham.

MANAGER or Assistant; qualified; permanency wanted; town and country experience; Photography; country Branch with view to succession preferred. Whitehouse, Gill Street, Nottingham.

MR. KEEBLE, Crewkerne, Somerset, recommends smart, active Junior (Hewerdine); good salesman; varied experience; trustworthy; disengaged; outdoors; 30*s*. weekly; Midlands or East preferred.

JUNIOR; 21; 3½ years' first-class experience. "Ipecac," 35 Ulysses Road, N.W.

JUNIOR or Part-time; good Dispensing experience. "Styrax," 34 Grosvenor Terrace, S.E.

LOCUM; qualified; 28; experienced; excellent references; disengaged. 263/32, Office of this Paper.

ASSISTANT or Dispenser; good experience; disengaged. "Ronald," 125 Falcon Road, Battersea, S.W.

RELIEF duty, Wednesdays or Thursdays; good references. "Chemist," 40 Camden Street, Camden Town.

DISPENSER (22) to Chemist or Doctor; first-class experience; excellent references. 261/8, Office of this Paper.

QUALIFIED; 23; disengaged; good all-round experience; "Square" training. 262/16, Office of this Paper.

QUALIFIED; 10 years' experience; good references; disengaged; tall. "Rad. Rhei" (263/34), Office of this Paper.

QUALIFIED; 25; tall; disengaged; West-end experience; outdoors; London preferred. 262/8, Office of this Paper.

QUALIFIED Manager or Locum; elderly; good experience and references. Swift, 262 Earlsfield Road, Wandsworth, S.W.

DISPENSER (Surgeon's); splendid references; experienced; 32; unqualified. "B. C.," 70 Avondale Square, Old Kent Road.

MANAGER or Senior; qualified; 32; disengaged; high-class and Store experience; outdoors. 264/10, Office of this Paper.

PART-TIME; near South London; Chemist or Doctor; 29; good experience. Address, "H. C. O.," c/o Lyon, 18 Formosa Street, W.

M.P.S.; Manager; experienced; reference; disengaged shortly; London or near. "A." (263/33), Office of this Paper.

JUNIOR; aged 20; tall; Photography and Counter, little Dispensing; indoors 12*s*. weekly, outdoors 25*s*.; disengaged. "Chrysarobin" (262/11), Office of this Paper.

QUALIFIED; tall, gentlemanly; elderly; excellent all-round experience and references; married; permanency desired; moderate salary. 263/37, Office of this Paper.

QUALIFIED Manager by middle-aged single energetic man; good Prescriber, Counterman, and Dispenser; Store experience. Address, "W. A.," 341 City Road, E.C.

JUNIOR; 22; 5½ years' experience, Photo, Counter, Windows, etc.; unqualified; disengaged October 30; good reference; Hull district preferred. "Rex," 22 Morrill Street, Hull.

ASSISTANT; unqualified; 23; tall; 7 years' good all-round experience (16 months London); outdoors; disengaged November 2. Lewis, c/o Wilde, Pharmacist, Brompton Road, S.W.

SMART Assistant; 29; single; abstainer; best experience; competent Dispenser and Salesman; excellent references; at liberty Monday next. Nicholson, 63 Stephen's Road, Tunbridge Wells.

JUNIOR; aged 22; 3 years' experience in good-class Retail; salary not so much an object as comfortable berth, where good Dispensing experience can be acquired. "Improver" (262/7), Office of this Paper.

UNQUALIFIED trustworthy Assistant; sober habits; 30; single; all-round experience; Photographer; energetic and good worker; £2 weekly (outdoors); excellent references; disengaged. 262/12, Office of this Paper.

COMPETENT reliable man; permanency, Part-time; held City, suburban managerships; good Writer, Bookkeeper, Prescriber, Dispenser; excellent references; married. Forster, 5 Coleridge Road, Finsbury Park, N.

COMPETENT Assistant; 35; unqualified; good Prescriber, Dispenser, Counter, and Photography; exceptional references; capable of taking charge or management of Branch. "Statim" (261/14), Office of this Paper.

MARRIED, unqualified (26), desires permanency; sound and reliable in ability with undeniable references; capable of taking charge or Management of Branch; knowledge Photography. "Statim" (261/4), Office of this Paper.

PORTER; good all-round experience. "H. E.," 82 Ifield Road, West Brompton.

JUNIOR; 23; good experience; disengaged November 4. Allman, 90 Victoria Street, S.W.

EVENINGS and Sundays; qualified. "S.," 4 Downton Avenue, Streatham Hill, S.W.

JUNIOR; good all-round experience; age 23. "Shavello," 47 Broseley Grove, Sydenham.

UNQUALIFIED; 36; smart, capable, and up-to-date; good references. 260/18, Office of this Paper.

DISENGAGED; unqualified; several years' experience. R. M. Lelean, 2 Rockville, Hautville, Guernsey.

BRIGHTON (district).—Qualified lady Dispenser requires post; experienced. "G. V.," Ronda, Worthing.

EXPERIENCED Assistant; 27; tall; disengaged; permanency. Haigh, Helme Leigh, Meltham, Huddersfield.

MANAGER, Locum, or Senior; outdoors; disengaged; qualified. "Codex," 32 Redburn Street, Chelsea, S.W.

MANAGER; qualified; Devon, Cornwall preferred; excellent references. Partridge, 21 College Road, Reading.

JUNIOR or Improver; good Dispenser; excellent references; London preferred. 260/30, Office of this Paper.

JUNIOR; 6 years' experience; Counter, Dispensing, Photography; South preferred. 260/10, Office of this Paper.

30/-; Assistant or Branch Manager; unqualified; outdoors. "Competent," 155 Offord Road, Barnsbury, N.

MANAGER or Senior, with view to succession preferred; 34; qualified; single. Apply, 261/3, Office of this Paper.

QUALIFIED (25) desires temporary or permanent engagement; Counter or Dispensing. "B." (261/18), Office of this Paper.

DISPENSER; thoroughly experienced; permanency desired; highest references. "Reliable," 31 Glisson Road, Cambridge.

QUALIFIED Senior or Manager; 4½ years present situation; Photography; 28; disengaged October 31. "Salol," 5 Queen's Parade, Cheltenham.

JUNIOR, 4 years' experience, seeks engagement; outdoors; disengaged November 15. W. J. Weatherhead, 39 Irene Road, Parson's Green, London.

QUALIFIED, no shop experience, desires situation in all-round business; moderate salary; Lancs or Yorks preferred. "M.P.S.," 141 Oxford Road, Burnley, Lancs.

YOUNG lady (22), unqualified, desires post with Doctor or Institution; knowledge of Bookkeeping; 4½ years' experience with Chemist. 259/36, Office of this Paper.

JUNIOR; 21; 5 years' experience, Photography, window-dressing; energetic, trustworthy; excellent reference. Further particulars on application to A. Clapham, Trafalgar Square, Barking.

ASSISTANT; unqualified; age 30; Extractor, Photographic; good Counter, Dispenser; accustomed to managing Branch; first-class references. "Scotch" (261/6), Office of this Paper.

IMPROVER (19), Preliminary passed except one subject (French), requires experience in London; tall, gentlemanly, active; 3 years' experience; moderate salary. A. C. Smith, Broad Street, Pershore, Worc.

PERMANENCY required by advertiser; unqualified; 26; married; undeniable references; sound experience; knowledge Photography; Assistant or manage Branch. "Disengaged" (261/04), Office of this Paper.

ASSISTANT; 25; high-class Dispensing and Counter, Photography; 3 years' London experience; reliable; Scotch trained; excellent references; Wholesale or West End preferred. "Oxalic" (260/35), Office of this Paper.

COMPETENT Assistant, all branches, already having evening engagement, desires post from 9 A.M. to 5 P.M. daily, Saturdays 9 A.M. to 1 o'clock; single; alternate or days to suit may be arranged. Birmingham or neighbouring districts. "Photos," c/o Drug-stores, Bradley, Bilston.

PHARMACIST, with best-class Dispensing experience and insight into Store; preference given to gentleman who contemplates, not necessarily at once, retiring, taking a Partner, or relinquishing a Branch. Apply, "Energetic" (261/34), Office of this Paper.

ASSISTANT; qualified; good Dispensing experience; F.I.M.C. 265/13, Office of this Paper.

WANTED, Part-time work; Hospital or Chemist's; qualified; elderly. York, 1 Lancaster Road, Enfield.

ASSISTANT; 39; experienced; disengaged; Dispenser; references. "Spes," 110 Belmont Street, Chalk Farm, N.W.

TEMPORARY only; qualified; disengaged. Letters or telegrams, "Rhei," 34 Ellingham Road, Shepherd's Bush.

DISENGAGED; 29; qualified; Manager or Assistant; experienced Dispenser; good knowledge all branches. 264/40, Office of this Paper.

PART-TIME Relief; experienced Locum; highest references; disengaged one or two days a week till May. "G.," 13 Ingersoll Road, W.

QUALIFIED, experienced, seeks Part-time engagement, afternoons or evenings, all Saturday or Sunday. 264/39, Office of this Paper.

ASSISTANT or Branch Manager; 30; qualified; excellent all-round experience; abstainer; good references. "Chemicus," 15 Fortess Road, London, N.W.

MANAGER or Senior; 40; active, energetic; experienced all branches; highest references; 5 years last situation. "Qualified," 28 Marnock Road, Crofton Park, S.E.

AN energetic Assistant (unqualified) requires permanency; Prescriber, Extractor; Family and Branch experience. "Aspirin," 44 South Croft Road, Tooting Junction, S.W.

MANAGER, Locum, or Assistant; qualified; exceptionally good all-round experience; satisfactory reference; reliable and trustworthy. "Aspirin," 17 Daneville Road, Camberwell, S.E.

IMMEDIATELY, competent Working Assistant; middle-aged; abstainer; temporary or permanent; 5 years' late reference; terms moderate; unqualified. "Ferri," 5 Beaconsfield Cottages, Hillingdon Heath, Middlesex.

DISENGAGED; competent, energetic Assistant; outdoors; unqualified; thorough in every branch of the business; accustomed to brisk trading; smart counterman and window-dresser; sure satisfaction. Fairweather, 3 Topsfield Parade, Crouch End, N.

SENIOR Assistant or Manager; good Window-dresser, Dispenser, Counterman, Photographic; modern Store methods; good references; 6 years last two berths (London); 32; tall; permanency only; disengaged October 23; unqualified. Hodgkiss, 168 Heathfield Road, Handsworth, Birmingham.

MANAGER, with view to early succession; young gentleman (27), qualified, wishes situation as Manager (with view to early purchase) of good-class Retail and Dispensing business; must be well situated in pleasant residential or provincial town; not London; North preferred; capable of clear net profit of £300-£400; no agents. Reply, with particulars and references, to 257/11, Office of this Paper.

WHOLESALE.

REPRESENTATION of good House; excellent references; big connection. "S.," 129 Shirland Road, W.

TRAVELLER (experienced), or good Agency; highest references. "X.," 113 Edridge Road, Croydon.

GERMAN Druggist, English, French, Spanish, shorthand and typewriting, desires position. 256/39, Office of this Paper.

REPRESENTATIVE, accustomed to high-class work among Specialists, desires re-engagement. 264/36, Office of this Paper.

AS Porter, etc.; Wholesale or Retail; 1½ years in trade; good references; steady and reliable. Vinson, 52 Golborne Gardens, Westbourne Park, W.

TRAVELLER or Agent (experienced), Drugs, Chemicals, Essences, and Allied Trades, open to appointment. Address, "M.," 2 Orchard Terrace, George Lane, South Woodford, Essex.

REPRESENTATIVE.—Advertiser, with sound connection in Lancashire, Cheshire, Wales, wishes to Represent good Wholesale house doing business with Chemists. Reply, 265/5, Office of this Paper.

YOUNG German, intending to stay some years in England, seeks situation as a Correspondent in England; fluent French, fair English, shorthand and typewriting; 5 years' experience in first-class German and Belgian Chemical firm. 20/20, Office of this Paper.

SITUATIONS WANTED—*cont.*

LABORATORY Assistant; 24; present berth 10 years; nominal wage; experienced in the Manufacture of Toilet and B.P. preps. "Antimony," 12 Newcomen Road, Clapham Junction, S.W.

PORTER, Warehouseman, Stockkeeper; 8 years last two situations; Midlands preferred. Brassington, 57 Leonards Terrace, Neath.

QUALIFIED man seeks engagement with Wholesale house; nominal wage in exchange for experience. 262/61, Office of this Paper.

TRAVELLER, 20 years' connection North England and Scotland in Drug-trade, is open to represent Manufacturer or Wholesale Drug-house. 260/33, Office of this Paper.

LADY requires situation; 10 years' experience; 3 good references; energetic, capable of taking charge; Wholesale preferred; good all-round knowledge of business. "Opium," 223 Philip Lane, West Green, N.

TRAVELLER; smart, energetic, reliable; Drugs, Sundries, Specialities; 12 years' connection; 5 years with present firm; salary and expenses; highest references. "Pentagram" (234/33), Office of this Paper.

YOUNG man seeks situation; any provincial town; age 24; Wholesale or Retail, to be generally useful; 8 years' experience, best London Wholesale house; well up in all Sundries. "A. F. G.," 217 Seymour Street, Euston Road, London, N.W.

TRAVELLER, representing a leading London House, calling upon Chemists and Stores on the South West and East Coast grounds, requires additional Agency to work with present one; many years on the ground and well known. Apply, 258/28, Office of this Paper.

ENGAGEMENT required, Travelling or otherwise; advertiser is exceptionally well known to the medical profession; total abstainer; gentlemanly appearance; capable negotiator; age 32; moderate salary and commission. "A. T. W.," 28 Argyll Road, Westcliff-on-Sea.

MISCELLANEOUS.

McADAM & TUCKNISS, Sharedealers, 30 Tranquil Vale, Blackheath, S.E. Telephone 81a Lee Green.

SHARES FOR SALE (free of commission, subject).—130 Allen & Hanburys' "B" 6 per cent. Preference, 23*s.* 9*d.*; 100 J. Knight Ordinary, 25*s.* 1½*d.*; 100 Idris "A" 6 per cent. Preference, 5*s.* 3*d.*; 100 Wright, Layman & Umney 6 per cent. Preference, 22*s.* 6*d.*; 10 Wilkie & Soames £10 fully paid 6 per cent. Preference, £7 2*s.* 6*d.*

WANTED (subject).—20 Evans Lescher Preference, £5 1*s.* 3*d.* x.d.; 50 Camwal Preference.

List of shares for sale and wanted sent free on application. Bankers, London County and Westminster. Established 1898.

WE HAVE WHAT YOU REQUIRE, Drug Fittings, Counters, Wall-cases, Dispensing-screens, Perfume-cases, etc., in almost all sizes; second-hand; condition first-class; prices reasonable. Write for sketches and details giving approximate sizes, or call and inspect. RUDDUCK & CO., 262 OLD STREET, E.C.

TO APPRENTICES, JUNIORS, ETC.—If you wish to pass the Preliminary quickly and with little trouble, write to Mr. Charles Harker, who will coach you by post; thorough systematic teaching; numerous successes in 3 and 6 months; special attention given to those of neglected education; 85 per cent. recent successes; terms very moderate. Charles Harker, 239 Chapter Road, Cricklewood, London, N.W.

℞ Bernard Slack, Sig. Saepe utend.

Use the above prescription for a year in your business and watch the receipts and profits steadily increasing. I have made a success of my business by increasing other people's. Send for free booklet and references and decide for yourself.

BERNARD SLACK,
Princes Chambers, WOLVERHAMPTON

SYNTHETIC Perfumes.—Technical Maker of Perfumes, with practical experience, is prepared to provide processes of manufacture at cheap rates. Offers under the style of "Lucrative" (208/5), Office of this Paper.

Dose Tables for Students of Pharmacy

A TWENTY-FOUR page booklet showing the adult doses in ordinary cases of the principal medicinal agents, with metric equivalents for dispensing and a complete table of atomic weights, comprising the B.P. figures, and the International Committee's latest pronouncements (O = 16 and H = 1). The booklet measures 4 in. by 2½ in., and can be carried in the vest pocket. To be obtained from THE CHEMIST AND DRUGGIST (Book Department), 42 Cannon Street, London, E.C., for THREE PENNY STAMPS PER COPY, POST FREE.

A.B.C. System of Accounts for Chemists; knowledge of Book-keeping unnecessary; works out gross and net profits, balance-sheet, and income-tax statement with guaranteed certainty; Seventh Edition; does unfailing justice to the man and his business. Particulars and testimonials free, McQueen & Co., Moat Road E., Leicester.

POISONS SCHEDULE, *according to the New Act*, reprinted from THE CHEMIST AND DRUGGIST, with a supplementary list of admixtures, preparations, and other articles brought within the Schedule. On a card (Schedule in front, list at the back) to hang up; price 6*d.*, post free, from the Office of the *C. & D.*, 42 Cannon Street, London, E.C.; or at the published price (4*d.*) from the leading Wholesale houses.

1,000 SECOND-HAND and shop-soiled bargains in Wall-cases, Drug-fittings, Counter-cases, Counters, Dispensing-screens, Perfume Cases, etc., which must be cleared at once; 6-ft. wall-case, £7 10*s.*, 8-ft. ditto £10 10*s.*, 10-ft. ditto £13 5*s.*; 6-ft. screen £4, 6-ft. ditto £5 5*s.*, 7-ft. ditto £6 10*s.*; 12-ft. drug-fitting £9, 10-ft. ditto £8; 12-ft. serving-counter £8 10*s.*, 10-ft. ditto £7 12*s.* 6*d.*; perfume-case 30*s.* Call or write, PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

A FIRM of Chemical Manufacturers, owning large waterside works near London and City offices, will be glad to hear of Selling or Manufacturing connections to add to their present business. "Box 1," c/o Chas. Tayler & Co.'s Advertisement Offices, 30 Fleet Street, E.C.

TO Trustees, Executors, Liquidators, and others.—Immediate cash to any amount for all descriptions of Chemists' Stocks, Fittings, Fixtures, Wholesalers' Oddments, and Druggists' Sundries; best prices given; cash advanced for any solvent business which can show a good turnover. Apply, in confidence, to J. H. Hemmings, 2 Scylla Road, Peckham Rye, S.E.

IMPORTANT OFFER.—One 9-ft. range of 45 solid oak drug-drawers, gold labelled, lockers, shelving, and cornice, £5; 150 stoppered bottles, ½, 1, and 2 pint, in good condition, 63*s.*; 1 sponge-case, with 3 glass sides and top, 24 to 34 by 18 in., 35*s.*; 1 24 5-grain pill-machine, 8*s.* 6*d.*; 1 3 and 5 grain reversible ditto, 12*s.* 6*d.*; 12 30-oz. dark-blue syrup-bottles, gold labelled, 12*s.*; 9 ditto, opal glass (pale blue), 10*s.* 6*d.*; 1 6-ft. bevelled mirror centre dispensing-screen, £5; 1 set of 3 plate-glass shelves for window, 36 by 12, 9 and 6 in. standard bars and brackets, 27*s.* 6*d.* R. TOMLINSON & SONS, Bond Street, Constitution Hill, Birmingham.

TO MINOR STUDENTS.—Simplified postal Lectures on Chemistry, Pharmacy, Materia Medica, Botany, and Physics, covering the requirements of Syllabus; an ideal course for private students or those engaged in business; these lessons are arranged so as to assist those with limited time in overcoming difficulties; very moderate terms. For further particulars apply to Harker & Saunders, 239 Chapter Road, Cricklewood, London, N.W.

A MESSAGE FROM OVER THE "BORDER."

"Your hints and suggestions are of very great service, and having the advantage of your advice whenever it is required makes the continuance of your services almost indispensable. I therefore have pleasure in remitting your fee for a renewal of your services for another year." This testimonial from Scotland was received this week, and speaks for itself. Booklet "HOW TO INCREASE YOUR BUSINESS," explaining my business pulling system, how to increase the sales of your own specialities, sent to Pharmacists on receipt of post card. Xmas scheme is ready now; this is artistic, refined, and in addition to the special window display which will be sent. Only one Pharmacist in a district supplied. No catchpenny ideas at all recommended.

J. R. B. ALLISON, Pharmacist & Business Specialist, RETFORD

GUMMED PRICE TICKETS

1/3

Crimson ground, white figures. Stocked in all usual prices up to 21/-, each price banded separately in hundreds.
The Midget, 9d. per 1,000
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Full illustrated list of Blanks for use with these tickets free on application.

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EXCHANGE COLUMN

FOR DISPOSAL.

DRUGS AND CHEMICALS.

COD-LIVER oil, Allen & Hanburys'; 25-gal. cask, 67*s*. Harrison, Chemist, Reading.

FORMULÆ.

EMBROCATION.—Send a penny stamp to A. Shepperson, Kirton.

FORMULA for sale; sauces, 4*d*. gal. France, 42 Vartry Road, London, N.

VETERINARY medicines: scour, redwater, milk-fever, coughs, colic, calving, etc., 2*s*. each, 12 for 10*s*. If you want good formulæ buy from the inventor, Dodds, Crumlin, Antrim.

RELIABLE money-making formulæ with 25 years' record. Following make useful, profitable and seasonable preparations: "Maltussine," excellent all-round cough-syrup, very pleasant taste, rapidly efficacious; "Vigorade," phosphated fruit syrup, for warming winter drinks, inexpensive and exhilarating, resembles zoedone; "Virung," general family ointment, cures eczema and all skin troubles, soothing and healing; "Floral Cream," lovely inseparable white emollient, non-sticky, entirely absorbed, an elegant beauty adjunct, very profitable; "Circassian Stimulant," gives new life to old hair, a certain hair-grower, non-greasy, nothing better or more reliable on market; "Ferfosco," nerve and brain tonic, for both sexes, contains hypophosphites and damiana, well tried and proved, small doses; "Cherryfoam," an ideal saponaceous liquid dentifrice, delicious odour, very persistent taste. Recipes 2*s*. 6*d*. each, 5 for 10*s*., with full instructions and particulars. Samples 6*d*. each, all post free. Twenty-five labels free with above last six. Tom Brooks, Chemist, Hornsey, London, N.

OPTICAL AND PHOTOGRAPHIC.

74 MICROSCOPE slides, 2*s*. dozen, 10*s*. lot.; approval, exchange. Lintin, 170 Freedom Road, Sheffield.

MICROSCOPE (Beck's); list price £6 8*s*. 6*d*.; ⅔ and ⅙ objectives; revolving nosepiece, screw (coarse and fine) adjustments; what offers? Dunford, Chemist, Bedminster, Bristol.

PROPRIETARY ARTICLES.

IRON somatose, 3 13*s*. tins, 1 milk somatose, 13*s*.; post free 7*s*. each; the lot for 25*s*. "Somatose" (257/2), Office of this Paper.

SHARES.

SHARES for Sale. See p. 70.

SHOP FITTINGS.

DOORWAY showcase with plate-glass shelves; also bent counter-case. Offers, Crouch, 47 Gresham Street, E.C.

TWO O'Brien check-tills; new this year; ticket printing and coin exhibiting; cost over ten guineas each, with large quantity of rolls. 249/34 Office of this Paper.

POTHS' shop-rounds, 7 doz. 40-oz., 11 doz. 20-oz., 4 doz. 10-oz., 1 doz. 4-lb. jars, 1 doz. syrups, offers wanted; also 16-feet run of mahogany drawers. Waterall, Chemist, Nottingham.

FOR sale, cheap, 11 40-oz. shop-rounds, gilt labels, 20 30-oz. ditto, 45 20-oz., 12 16-oz., 12 12-oz., 10 10-oz., 16 4-oz.; all in good condition. Corcoran, Chemist, Dublin.

MISCELLANEOUS.

THERMOS bath-cabinet complete, unused, unsoiled; dispensing-scales, without loose weights, cost 21*s*.; several ¼-plate cameras; what offers? Owain-Jones, Pharmacist, Abergele.

WANTED.

GLASS-TOPPED counter; 5 ft. Oldfield, Chemist, Westcliff-on-Sea.

50 FEET second-hand odd lengths shop shelving. Stone, Chemist, Watford.

ONE doz. 1-lb. dark blue ointment-jars; ½ doz. 4-lb. ditto. Wood, Waltham Abbey.

2*s*. 9*d*. HEARNE'S No. 2 medicine (asthma). Budden, 44 Dale Street, Liverpool.

DENTAL chair, second-hand, must be cheap. Address, Griffith, Appledram, Chichester.

CHECK-TILL (coin exhibiting); in good condition. Bullock, St. Mary Street, Weymouth.

SET of optical test-glasses. State full particulars to Harman, Chemist, Carrick-on-Shannon.

"ART of Dispensing": good condition; cheap. Pearson, Town Dispensary, Burton-on-Trent.

LENS-MEASURE (Geneva or other pocket size); cheap; perfect. "M.P.S.," 55 Apsley Road, Great Yarmouth.

MINOR, Major, Chemists' books.—Send prepaid for valuation; cash offers per return. Gower, Bookseller, Waterloo, Liverpool.

COLLAPSIBLE tube-filling machine, also paste-mixing machine and powder mixing and sieving machine. 256/7, Office of this Paper.

B.P.C., Squire's 18th, London Hospitals Pharmacopœia 7th, "Pharmaceutical Formulas," latest edition. Price to "Pharmacist," 55 Windsor Road, Ealing.

COMPLETE mahogany Chemist's fittings, second-hand; shop-rounds, glass labels, jars, trade utensils. Give maker's name and full particulars, 259/21, Office of this Paper.

ADDRESSES WANTED.

CAN any Aberdeen Chemist give the address of Mrs. H. Fletcher, late of Chelsea? Goldsworthy, 192 Fulham Road, London, S.W.

Coming Events.

Secretaries of Pharmacists' Associations and other trade organisations are requested to communicate to the Editor the programmes for the coming Winter Session.

This Section of the "C. & D." is reserved for advance notices of meetings or other events which are sent to the Editor not later than Wednesday of the week before the meetings, etc., occur.

Wednesday, October 27.

Cardiff Pharmaceutical Association, Angel Hotel, at 3 P.M., annual meeting and election of officers. At 7 P.M., whist-drive at the Occidental Café. Tickets (2*s*. each) from Mr. E. Poole, Hon. Secretary, 71 Broadway.

Edinburgh Chemists', Assistants', and Apprentices' Association, 36 York Place, at 9.15 P.M.: Inaugural sessional address by the President (Mr. E. J. Brown) on "Enzymes."

North Kent Pharmacists' Association, Public Hall, Gravesend, 5.30 to 7.30 P.M. Social meeting. Mr. W. Johnston, Secretary of the Chemists' Defence Association, will be present.

Thursday, October 28.

Barnsley Chemists' Association, Royal Hotel, at 7 P.M., Annual Meeting.

Cheltenham Chemists' Association, The College Pharmacy, Bath Row, at 9 P.M. Mr. F. T. Palmer, lantern-lecture on "What is a Spider?"

Public Pharmacists' and Dispensers' Association, St. Bride Institute, Bride Lane, London, E.C., at 8 P.M. Dr. T. Ashcroft Ellwood on "Progressive Medicine and its Effect upon the Pharmacist."

Chemists' Assistants' Association, 73 Newman Street, Oxford Street, London, W., at 9 P.M. Social evening, under the chairmanship of Mr. A. R. Arrowsmith.

Liverpool and Birkenhead and Wirral Chemists' Associations, "Bear's Paw," Lord Street, at 7.30 P.M. Smoking-concert, at which Mr. J. Rymer Young will preside. Tickets (1*s*. each) from Mr. G. V. C. Last, Royal Institution, Liverpool.

Association of Certificated Dispensers.—A special general meeting will be held in the Apothecaries' Hall, Blackfriars, E.C., on Monday, November 1, at 8 P.M., for the purpose of considering, and if thought fit to pass the following resolution:

> That this meeting desires to express its regret that the Pharmaceutical Society has not yet taken any effective step to make By-laws under the powers conferred by Section 4 of the Pharmacy Act, 1908, relative to the registration of those holding the Assistant's certificate and others as pharmaceutical chemists, and respectfully begs the Society of Apothecaries to use its best endeavours to see that the intention of the Legislature in this respect is carried out without further delay.

All members and others holding the Hall certificate are especially invited to attend and support the resolution. Mr. A. Mowbray Upton, B.A.Oxon (Clerk to the Society), and Mr. F. Sherman Toogood, M.D.Lond., Barrister-at-Law, will address the meeting.

German News.

(From the "C. & D." Correspondent.)

Natural Lemon-juice.—Messrs. Lehmann & Voss, of Hamburg, recently took action against Drs. A. V. Gimbour and Galle for prejudice to business interests through their published warnings in regard to synthetic compounds. The doctors themselves were making 5,000*l*. a year out of an artificial lemon-juice which they advertised in such a way as to throw suspicion on the lemon products of other makers, such as the prosecutors. For this the Court fined each of them 75*l*., and awarded damages of 500*l*. to the prosecutors. So the "Apoth. Zeit." reports.

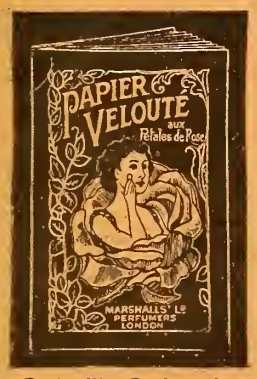
Sunday-closing.—By a decree of the local Government of Tyrol and Vorarlberg the compulsory closing of one pharmacy, in places possessing two businesses, from Sunday, 1 P.M., to Monday, 7 A.M., has been introduced. In places with several pharmacies half of them are to be closed in rotation. Further, all employés in public pharmacies are to be freed from all duty every second Sunday during the above hours, and for every Sunday on duty are to be allowed half a day during the week as compensation. This is the first step by the authorities to regulate the free time of the pharmaceutical personnel.

MARSHALLS' Ltd., Colebrooke Works, ISLINGTON, N.

TELEPHONE: 833 CITY.

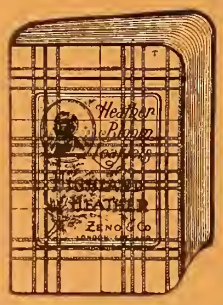
BOOKLETS UP TO DATE.

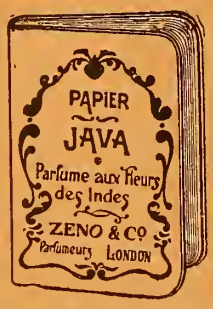
INDISPENSABLE POCKET TOILET COMPANIONS.

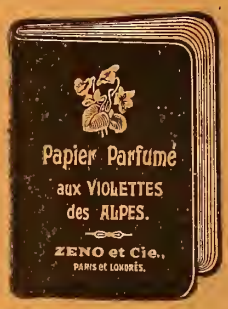


Best selling Book on the Market. **8/-, 15/-, 24/-** gross.

With Mirror, **30/-** gross.







Gilt edge, satin bound for high-class trade. **3/-** doz.; with Mirrors, **3/6** doz.

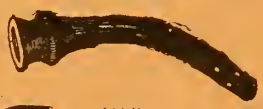
Nail Powder Leaves and Manicure Requisites, also Mirror... **4/-** doz.
A cheaper line in card covers, **2 6** doz.

Well-made Leather Wallet, with Gilt edge Powder Leaves.
Also improved Nail Smoother & Polisher, &c., **8/-** doz.
Refills, **1/6** & **2 6** doz.

3/- per doz.

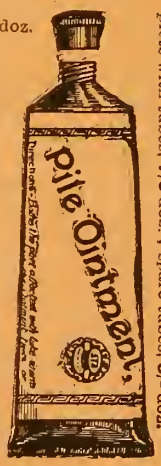
Orange Sticks.
½ doz. in bundle.
2/6 doz bundles.

1 doz. in Box.
5/6 per doz. boxes.



TUBE WINDERS.

18/- per gross.



PILE OINTMENT.
An efficacious preparation, prepared with witch hazel, neatly packed in 1 oz. tubes, cartoned, complete with tubes, **7/6** doz.; spare tubes, **3/-** doz.

Price **3/6** per gross.

1/6 per doz. Empty **1/-**.

COLLAPSIBLE TUBES

OF ALL KINDS.

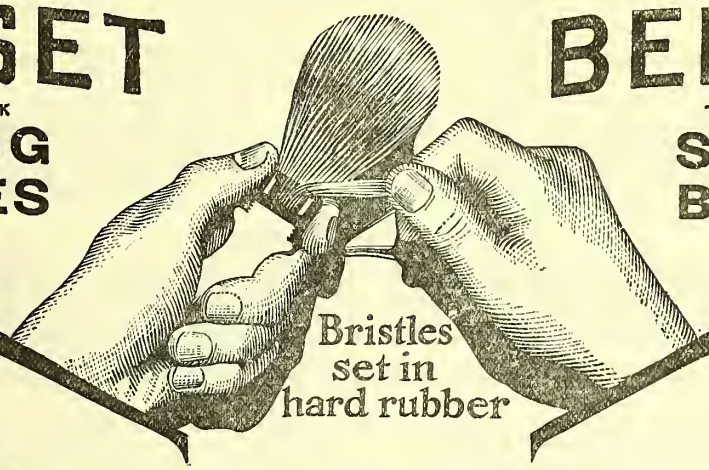
Adeps Lanæ, Anhydrous, Odourless, **10d.** per lb.

Printed for the Proprietors by Spottiswoode & Co. Ltd., New-street Square, and published by the Proprietors at 42 Cannon Street, in the City of London.—*October* 23, 1909.

BERSET

TRADE MARK

SHAVING BRUSHES



BERSET

TRADE MARK

SHAVING BRUSHES

The Brush that Cannot Lose a Bristle.

The wonderful Berset composition is a process of twining soft rubber to a flint hardness, only after it has caught hold of each bristle with a vice-like grip. This process makes the Berset Brush impervious to the hard tests that a shaving brush must undergo.

Berset Brushes will be a standard in the United Kingdom. Our advertising will MAKE this so! A large advertising campaign, beginning with a full front page in the "Daily Mail" on November 2, will be the opening feature. This will be followed by large spaces in the leading dailies, weeklies, and magazines.

Berset Shaving Brushes are guaranteed to the public never to shed a bristle, or the full purchase price will be refunded.

Berset Brushes retail from 1/- to 21/- each.

Do you want to reap the benefits from the demand that this publicity will create? If so, send to us immediately for Catalogue and Price List.

We supply, gratis, handsome signs, hangers, cut-outs, circulars, leaflets, booklets, etc.

Berset Shaving Cream is also a feature of our big advertising campaign.

Called the Healing Lather

because it is composed almost entirely of Cocoanut Oil and Glycerine, the two greatest skin healers known.

There will be a demand for this Cream.

Retails at 1/- per Tube.

The New 'Ever-Ready' SAFETY RAZOR COMPLETE WITH 12 BLADES 5/-

The New "Ever-Ready" is a New Marvel.

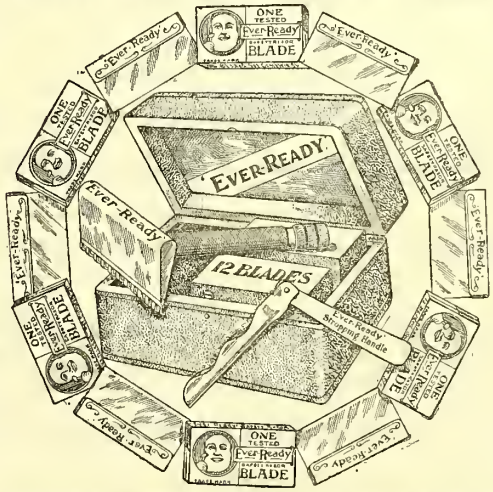
Its new basis is the new frame which possesses the most remarkable improvements accomplished in Safety Razor construction.

The **New "Ever-Ready"** is a model of efficiency. Perfect and easy in adjustment.

The **New "Ever-Ready"** is handsomely silver-plated, a model of neatness, and is **BRITISH MADE.**

The **New "Ever-Ready"** frame retails at **5/-** complete, with **12** of the finest blades ever put into a Safety Razor—a clever hand-stropping device—the whole encased in a handsome velvet-lined case as illustrated.

The New "Ever-Ready" is the simplest, handsomest, and the neatest Safety Razor of the day.



The New "Ever-Ready" is accompanied by the most positive guarantee of satisfaction.

We will refund the full purchase price of **5/-** should an unsatisfactory sale ever occur. This means that the dealer would not lose a penny of his original profit in such an instance.

The biggest advertising campaign in the interest of the **"Ever-Ready"** will start on Nov. 2nd, 1909, with a front page advert. in the *Daily Mail*.

You should be prepared to supply the demand that this advertising will create. Send us your orders now.

Price 40/- per dozen.

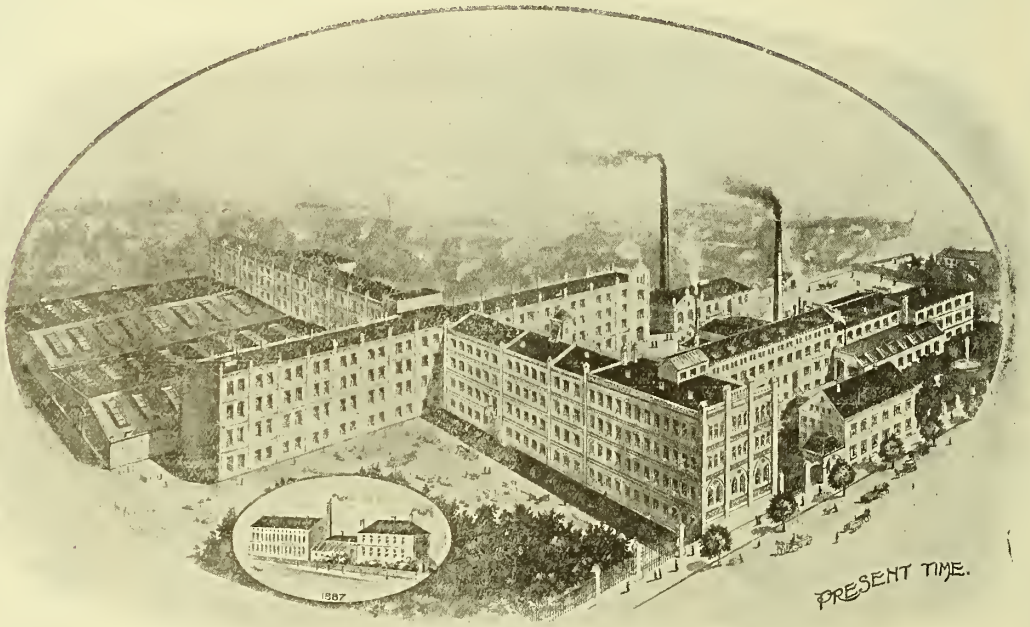
We supply, gratis, handsome lithographed signs, small counter display signs cut-outs, booklets, circulars, etc.

THE INTERNATIONAL DISTRIBUTING CO., Ltd., 2 & 3 Stonecutter St., LONDON, E.C.

THE MANUFACTURE OF

ROLLED GOLD Spectacles & Eye-glasses

is one of our MOST IMPORTANT BRANCHES, and receives SPECIAL ATTENTION.



OPTICAL WORKS, RATHENOW.

Our methods are so organised to produce a Standard of Quality and Finish of Absolute Reliability.

Catalogue forwarded on receipt of Trade Card.

NITSCHE & GÜNTHER,

OPTICAL WORKS,

66 Hatton Garden, LONDON, E.C.

Recommended by the Medical Profession.

THE NEW

"TESCO"

Regd.

Medicated Toilet Soap

No Cutting | On P.A.T.A. | No Cutting

JUST INTRODUCED.

For particulars of Special Bonus Offer for Display

Apply The Erasmic Co., Ltd., Warrington.

THROUGH ALL WHOLESALE HOUSES.

THE RIGHT PRICE

BARNETT'S FIRST AID COLD CREAM

THE RIGHT QUALITY

WHITE ROSE COLD CREAM FIRST AID BRAND GUARANTEED PURE

2 lb. Boxes 1/6 lb., less 10%.

6d. Pots (1¾ oz.) 4/6 doz., 10%, or Cards of 18 × 2d. Tins 2/- Card, 10%.

There is NO EQUAL in QUALITY or PRICE.

SAMPLE POST FREE.

The World challenged to produce its equal in appearance or effect, as a Cold Cream, Face Cream, or as a Chemists' Specialty Cream, guaranteed never to go rancid in any temperature, or alter in its appearance. This article was the only cause of the revival in sales of Cold Cream, and created the demand for skin foods. Its superiority and its enormous sale created many imitators, but as yet no equal. Prove it by examination. Sample is free. Keep the sample for a few weeks by the side of imitations, and then judge for yourself.

BARNETT & CO., Manufacturing Perfumers, 126 Bristol Street, BIRMINGHAM.

"B.&K." BRAND OTTO OF ROSE

GUARANTEED PURE. DISTILLED BY BONTCHEFF & KIDOFF OF KAZANLIK.

SOLE AGENTS IN THE UNITED KINGDOM:

Fredk. Boehm Ltd

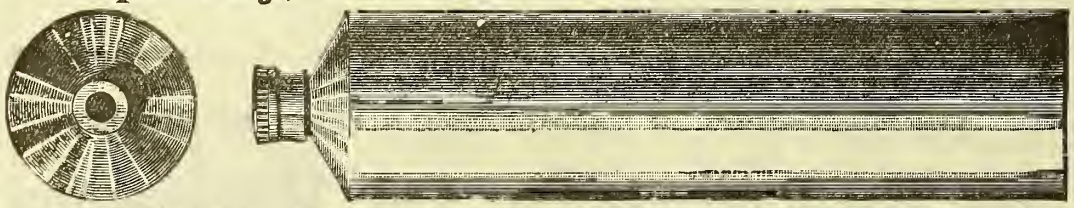
16 Jewry Street, London, E.C.

Wholesale Quantities only.

METALLIC COLLAPSIBLE TUBES

For Paints, Perfumes, Shaving Creams, Soaps, Oils, &c.

Speciality: COLOURED and ORNATE TUBES.



Packed in Boxes with separate compartments for *each Tube*, thus obviating damage in transit.

Samples and Prices on application.

L. LUMLEY & CO. Ltd., 1 America Square, LONDON, E.C.

IMPORTANT NOTICE
TO
CHEMISTS AND DRUGGISTS.

Messrs. A. ROWLAND & SONS, proprietors of Rowland's Macassar Oil, for strengthening the growth of the Hair; Kalydor, for beautifying the Complexion; and Odonto, for whitening the teeth and preventing their decay, have just had designed for them a new and beautifully coloured

SHOW CARD

and will be glad to send one free of cost to any Chemist or Druggist who will send his name and address.

ROWLANDS' TOILET ARTICLES have been known for the last 120 years as the purest and best preparations for the Hair, Skin, and Teeth that have ever been made. They are largely advertised all over the world, consequently there is always a regular demand for them, and they should therefore be kept in stock by all stores, chemists, and druggists.

A. ROWLAND & SONS, 67 HATTON GARDEN, LONDON.

The Lescol Perfumery Co.

FINEST
CONCENTRATED PERFUMES

PARMA VIOLETS, JOCKEY CLUB, OPOPONAX, NEW MOWN HAY,
RUSSIAN VIOLETS, SWEET PEA, WHITE ROSE, WALLFLOWER,
and all varieties of exceptional value.

Speciality: "NICOSIA."

No. AA 1 1 oz. ... 9/6 per doz. *1/3 each | No. AA 3 3 oz. ... 21/- per doz. *2/9 each
No. AA 2 2 oz. ... 15/6 per doz. *1/9 each | No. AA 4 4 oz. ... 26/- per doz. *3/6 each
No. AA 5 8 oz. ... 50/- per doz. *6/- each
* P.A.T.A. Prices.

We have been extensively advertising "NICOSIA" in the principal periodicals and magazines to create an interest which should lead to Chemists receiving inquiries for this speciality.

Illustrated Price Lists on application to
GEORGE ST., CAMBERWELL GREEN, LONDON, S.E.

S.V.M.

Best Quality Only.

RANDALL & SON,

Limited.

Wholesale and Export Druggists,

SOUTHAMPTON

Remember MYSANTAL; it will bring you many customers.

The Finest Invention of the age.

The MYSANTAL TOOTH BRUSHES are constructed with due regard to the Anatomical formation of the mouth. The bristles are pressed into capsules of Aluminium so that they CANNOT come out. An extra brush is supplied for cleaning of the Mysantal.

Recommended by the leading Dental Authorities. *Write for particulars to*

The MYSANTAL CO., 55 Berners Street, London, W.

A new Invention of Great Utility.

"LUTON" HAT DYES

No Gloss. No Polish. Dry at once. Resist rain.

Facsimile of Showcard.

Original 12½ In. × 10 In.

In bottles, 6d. each, in separate neat cartons, with suitable brush

These Dyes are a distinct invention, dying the straw without an objectionable varnished appearance, and producing the effect of new goods.

Write for terms and patterns:

WHITAKER & CO.

Colour Works, KENDAL, ENG.

SPECIALISTS IN VARNISHES, STAINS, DYES, &c. *ESTD. 1878.*

Colonial Testimonial—"Your 'Lutons' have really come up to the mark."—Geo. H. Langton, Port of Spain, Trinidad.

SUPPORT HOME INDUSTRIES.

Estd. 1777.

Incd. 1900.

BUY KENT'S BRUSHES.

Winter Issue, 1909, pp. 86, 87.
Diary, 1909, pp. 46, 47.

BIDWELLS'

GOLD MEDAL

TOOTH BRUSHES.

ILLUSTRATED CATALOGUE FREE ON APPLICATION.

HEAD OFFICE AND FACTORIES: ESTD. 1839.

AXMINSTER, DEVON.

The number of dentifrices is myriad, their names are legion,

But—

in principle and in efficiency there is but one,

CALOX

THE OXYGEN TOOTH POWDER.

Its principle is the evolution of oxygen.

Its efficiency as a cleanser of the teeth is due to the oxygen which it generates when used.

Not only antiseptic, but deodorant, two desirable properties of a tooth powder. Its oxidizing and deodorizing pouer was obvious in our experiments.—THE LANCET, *London, Eng.*

Possesses not only strong antiseptic, but deodorizing and oxidizing properties, as the result of which the teeth, after a few days' use of CALOX, acquire a pearly whiteness.—THE CHEMIST AND DRUGGIST, *London.*

CALOX is entirely different from other dentifrices. Its introduction marks a decided advance in the scientific development of a dentifrice, a fact which the dental profession the world over has been quick to recognise. Chemists should interest themselves in Calox because only a chemist can explain the peculiar virtues and value of an oxygen-producing dentifrice.

Price to the trade, 9/6 per dozen on the P.A.T.A. plan.

McKESSON & ROBBINS, New York. U.S.A., *Manufacturers.*

BRITISH DEPOT— A. C. WOOTTON, 14 Trinity Sq., Tower Hill, London, E.C.

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.

FOR QUOTATIONS apply to—

PRESTON'S LIVERPOOL DISTILLERY Co., Ld.

The Largest Makers in the Kingdom.

BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office: 4 India B'ngs, Water St., Liverpool.

YOU GET A 7d. COUPON with every package of

Lavona de Composée or Flowers of Oxzoin

This Coupon is good for retail chemists only, and is redeemable by us in our other preparations as listed thereon.

Our Specialities are:—

Lavona de Composée (Smith's)
Flowers of Oxzoin (Neal's)
French Fon Fleur Perfume.
Harriett Meta's Gold Medal Hair Tonic.
Harriett Meta's Milk of Roses.
Neal's Olivine (A New Liquid Soap).
Crème To-Kalon.
Crème Supérieure.
To-Kalon Talcum Powder.
To-Kalon Denta Crème.
To-Kalon Complexion Powder.
Sozo (The Great Deodorant).

Price Lists and Showcards gladly sent on application.

To-Kalon Manufacturing Co., Ltd., 61 New Oxford St., London, W.C.

N.B.—WE ARE ON THE P.A.T.A. LIST.

ORRIS CONCRETE

In consequence of the increasing demand for our unrivalled quality we have been obliged to make arrangements to

DOUBLE OUR OUTPUT.

LAUTIER FILS

Factory at **GRASSE** ESTABLISHED 1795

GRASSE FRANCE

Factory at **BEYROUTH** ESTABLISHED 1905

For Stocks in London, Wholesale only: W. NAUMANN, 63 Bartholomew Close, E.C.

"May Queen"

POWDERED TOILET SOAP.

DELICATELY PERFUMED.

Packed in Prettily Decorated Sprinklers.

Certified by Dr A B Griffiths of London Public Analyst as the "VERY BEST TOILET SOAP." Antiseptic, Disinfectant & Hygienic.

Write for Sample Tin to HENRY SHAW & Co DUKINFIELD.

Th. Mühlethaler & Co., Ltd. NYON, Switzerland

Latest Creations of the Nyon Factory—

NEROLI M.
ROSE, ALPINE.
JESSAMINE, WHITE
LILY OF THE VALLEY M.

Specialities of the Grasse Factory—

PATCHOULI
ORRIS ROOT OIL
VETIVER, JAVA
ABSOLUTES

SOLE AGENTS FOR GREAT BRITAIN:

R C TREATT & CO

Dunster House, Mincing Lane, Telephone No. 1692 Avenue. LONDON, E.C.

COURVOISIERS

PERFUMERY, TOILET SOAPS,

&c., &c.

Sterling Merit. Efficiently Advertised.

VIOTTO (Otto of Violets).

VIOTTO PERFUME ... 1/8, 3/2, 6/-, 11/9, 22/6
Per bottle retail.
" " 14/10, 28/7, 55/-, 103/6, 198/-
Per doz. wholesale.

VIOTTO SOAP 2/6
Per box of 3 tablets retail.
" " 21/-
Per doz. boxes wholesale.

VIOTTO FACE POWDER 1/6
Per box retail.
" " 11/6
Per doz. boxes wholesale.

VIOTTO SACHETS 1/-
each retail.
" " 8/-
Per doz. wholesale.

VIOTTO FACE CREAM 1/9
Per jar retail.
" " 14/-
Per doz. jars wholesale.

HAVANITA.

HAVANITA PERFUME 2/3, 4/3, 7/6, 14/6
Per bottle retail.
" " 17/8, 33/-, 59/6, 112/6
Per doz. wholesale.

HAVANITA SOAP 2/9
Per box of 3 tablets retail.
" " 24/-
Per doz. boxes wholesale.

MALLOWEEN SOAP ... ... 11½d.
Per box of 3 tablets retail.
" " 9/-
Per doz. boxes wholesale.

MALLOWEEN CREAM ... ... 10½d. & 1/9
Per jar retail.
" " 6/- & 11/8
Per doz. jars wholesale.

MIMOSA 1/-. 2/-, 4/-
Per bottle retail.
" 7/9, 15/6, 31/-
Per doz. bottles wholesale.

Courvoisier's Concentrated CC Perfumes, in four odours.

VIOTTO. HAVANITA. ROSE. LILY OF THE VALLEY.

3/9 per bottle retail; 30/- per dozen wholesale.

EMINENTLY SATISFACTORY { For the Seller ... Entered on the P.A.T.A.
For the Buyer ... Give entire satisfaction.

Obtainable from your Wholesaler, or direct from

H. BRONNLEY & CO. Ltd., ACTON VALE, LONDON, W.

TO WHOLESALE AND EXPORT TRADES.

W. RANSOM & SON

(ESTABLISHED HALF A CENTURY).

MANUFACTURING PHARMACEUTICAL CHEMISTS.

Distillers of Essential Oils and Cultivators of Medicinal Plants.

HITCHIN near LONDON.

SPECIALITIES:

SOLID & LIQUID EXTRACTS	SCAMMONY RESIN	ALOIN | EUONYMIN
EXPRESSED JUICES	JALAP RESIN	LEPTANDRIN | IRIDIN
ESSENTIAL OIL of LAVENDER	ELATERIUM	DRIED MEDICINAL LEAVES
ESSENTIAL OIL of PEPPERMINT	MERCURIAL PILL & OINTMENT	ENGLISH DANDELION ROOT

Medicinal Tinctures and Spirits prepared with Pure Spirit supplied in Bond for Export.

International Exhibitions—London, 1862; Chicago, 1893. Prize Medals awarded for Pharmaceutical Extracts, Essential Oils, and Dried Herbs of superior Quality. Also Award at the Paris Exhibition, 1867.

100% PROTECTED PROFIT.

Prices of Eucryl Tooth Powder to the Trade.

OPENING ORDERS

BUYING PRICE.	£	s.	d.
3 doz. 6*d*. tins at 3/6 doz.... ...	0	10	6
1 doz. 6d. free (for counter display)	-	-	-
Free samples, showcards, etc. ...	-	-	-
Carriage Paid ...	£0	10	6

SELLING PRICE.	£	s.	d.
4 dozen at 6*d*.	1	4	0
	£1	4	0

REPEAT ORDERS.

BUYING PRICE.	£	s.	d.
3 doz. 6*d*. tins at 3/6 doz.	0	10	6
½ doz. 6*d*. free (for counter display)	-	-	-
Free samples, showcards, etc. ...	-	-	-
Carriage Paid ...	£0	10	6

SELLING PRICE	£	s.	d.
3½ dozen at 6*d*.	1	1	0
	£1	1	0

EUCRYL TOOTH POWDER.

To be obtained from all the Principal Wholesale Houses, or direct from The Proprietors,

EUCRYL LIMITED, HULL.

THE ONLY GENUINE

JAVA POWDER

BOURJOIS, PARIS.

PRICES ... ... { 1 doz., 7/-; 6 doz., 6/9
9 „ 6/6; 24 „ 6/3

IN FOUR COLOURS, *Blanche, Naturelle, Rose, Rachel.*

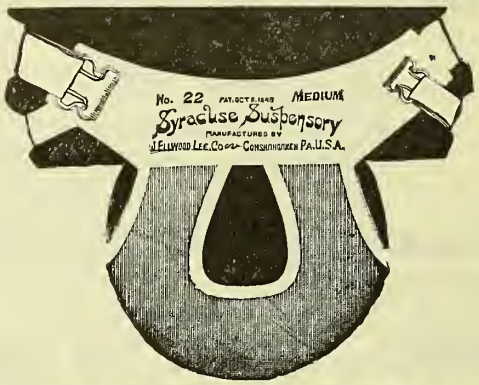
Minimum Retail Price 8½d. per Box.

BOURJOIS BRILLIANTINE.

617 is the best value in the market ... 7/- doz.

HENRY C. QUELCH & CO., 4 Ludgate Sq., London, E.C.

SYRACUSE BANDAGES



Made in Three Sizes—Small, Medium, and Large.
The Best to Stock. In demand everywhere.

			£	s.	d.
10.	Cotton sack, non-elastic band ...	...per doz.	0	7	3
16.	Deimel linen mesh, non-elastic band ...	„	0	13	3
21.	Deimel linen mesh, elastic band	„	1	0	0
22.	Stockinette sack, non-elastic band ...	„	1	0	0
26.	Bolting silk sack, elastic band	„	1	6	6
27.	Silk sack, open weave, elastic band ...	„	1	6	6
28.	Fine silk sack, cotton elastic band ...	„	1	6	6
31.	Fine silk sack, special weave, elastic band	„	1	13	3
32.	Fine silk sack, special weave, silk band ...	„	2	0	0
34.	Fancy silk sack, ventilated, satin finish, silk elastic band	„	2	13	0

HENRY C. QUELCH & CO., 4 Ludgate Sq., London, E.C.

EDWARDS' HARLENE Co.'s

Window Dressing Competition

(SEPT. 6th to OCT. 4th, 1909).

RESULTS.

1st Prize,	£20	W. Maskew, Electric Parade, Clacton-on-Sea
2nd „	£15	H. A. Martin, Willowbridge Road, Leicester
3rd „	£10	W. G. Gordon, George Street, Aberdeen
4th „	£7 10s.	F. A. de la Rue, States Arcade, Guernsey
5th „	£5	W. B. Smith, 47 High Street, Gosport
6th „	£2 10s.	A. Mortimer, Woodlands Pharmacy, Ilford

Prizes of £2 each have been awarded to the following:

Andrew & Co., Chemists, East Finchley.
Bellamy, T., 1 Trindal Square, Chelmsford.
Bosustow, R. P., 8 Market Parade, Portland Road, S. Norwood.
Bristow, R. P., 17 Oxford Street, High Wycombe.
Butler, E. T., Son & Co., High Street, Leicester.
Goddens, Messrs., Chemists, 220 Hither Green Lane, S.E.
Gordon's Drug Stores, 471 Union Street, Aberdeen.
Gray, John, & Co., 49 Antrim Road, Belfast.
Hodder & Co., Ltd., 83–5 West Street, Bristol.
„ „ „ 14 New Bond Street, Bath.
„ „ „ Totterdown Branch, Bristol.
„ „ „ 2 Southgate Street, Bath.
Hodder & Co., Ltd., 770 Fishponds Road, Fishponds, Bristol.
„ „ „ 135 White Ladies Road, Bristol.
„ „ „ 79 East Street, Bedminster, Bristol.
„ „ „ Top Stokes Croft, Bristol.
„ „ „ 257 Hotwells Road, Bristol.
Holland, W., 207–9 Alfreton Road, Nottingham.
Phillips & Son, 48 Wallgate, Wigan.
Procter, A., 6 Terminus Buildings, Eastbourne.
Scott, W. A., 57 Lower Clapton Road.
Shirthiffe, W. E. D., 66 Goldhawke Road, Shepherds Bush.
Siddle, Rowe & Co., 16 Lower Street, Rotherhithe.
Thompson, W., 153 Byres Road, Dowanhill, Glasgow.
Timmis & Gould, 10 High Road, Chiswick.

Prizes of £1 each have been awarded to the following:

Anthony & Son, 48 High Street, Bedford.
Bartlett, G. F. H., 38 Battersea Park Road, S.W.
Butterworth, H. L., 175 Oxford Road, Burnley.
Cocker, Harris, 23 Cranbrook Road, Ilford.
Dr. Patron's Pharmacy, Gibraltar.
Fergusson, John, 7 Scott Street, Perth.
Finnegan, T., Royal Avenue, Belfast.
Galloway, 43 Nantwich Road, Crewe.
Goddens, 94 Lordship Lane, E. Dulwich, S.E.
Goy, W. H., 17 Battersea Rise, Clapham Common.
Hitchon, P., 11 Webster Buildings, Burnley Road, Padiham.
Hodder & Co., 286 Stapleton Road, Bristol.
„ „ 203 Gloucester Road, Bristol.
„ „ 33 Commercial Road, Newport, Mon.
Jackson, J. G., 338 Abbeyville Road, Sheffield.
Jackson, J. W., 107 Higher Parr Road, St. Helens.
Jenkins, T. Pontmorlais, Merthyr.
Kitching, A. S., Oakengates, Salop.
Lindsay, G. J., 149 Blackness Road, Dundee.
Livesay, A., High Street, Tenby.
Macfarlane, M., 19 East High Street, Forfar.
McNaught, A., Queen's Bridge, Belfast.
Mathew, E., 529 Battersea Park Road, S.W.
Norman, V., 12 High Street, Godalming.
Parkes' Drug Stores, 267 High Street, North East Ham.
Padley, F. R., Wooler, Northumberland.
Reid, H. F., 23 High Street, Ilfracombe.
Ritchie, A. W., 198 High Street, Montrose.
Rushton, F., 581 Stratford Road, Sparkhill, Birmingham.
Ruxton, J., Star Pharmacy, Kepti Angle, Arbroath.
Slater, J. M., Market Place, Loftus.
Sparrow, A. B., The Broadway, Eastney Southsea.
Stow, N. V., 83 Queen Street, Newton Abbot.
Swire, J., 88 King Cross, Halifax.
Thexton, G. W., 52 Main Street, Kirkby Lonsdale.
Thorpe, A., 7 Grand Parade, Highgate, N
Waters, J., 2 Pribend Row, Darlington.
Young, J., 18 Fleet Street, Torquay.
Young, F. G., Medical Hall, Newbridge.

NOTICE.—Above we publish the names and addresses of competitors selected as prize winners by the judging committee in our recent window-dressing competition. Cheques and postal orders (including proportionate amount of the dressers' prize total) will be forwarded in due course for the prize awarded. Some reproductions of the principal prize-winning windows will be given in a later issue.

EDWARDS' HARLENE CO., 95 & 96 High Holborn, LONDON, W.C.

JAMES J. HICKS,

Manufacturer of Clinical and Scientific Instruments,

8, 9, & 10 HATTON GARDEN, LONDON, ENGLAND.

OBTAINED GRAND PRIX, FRANCO-BRITISH EXHIBITION, LONDON, 1908.

The use of Armlets, Taps, and Mercury is entirely obviated. In size no larger than Clinical Thermometer. Zero adjustment is automatic.

10/- Post FREE

Readings identical with Riva-Rocci and Hill-Barnard Systems.

SPHYGMOMETERS
ON THE
HILL-BARNARD SYSTEM.
RIVA-ROCCI SYSTEM.
With Dr. MARTIN'S MODIFICATION.
With Mr. LOCKHART-MUMMERY'S MODIFICATION.

DESCRIPTIVE PAMPHLET POST FREE.

THE LATEST IMPROVEMENT.

THE "USHER-SOMERS"
(PATENT 1908)

IS THE CLINICAL THERMOMETER OF THE FUTURE.

It is the only Thermometer which registers the heat of the body in direct relation to its normal temperature. Each figure on the instrument represents a degree of temperature in the Fahrenheit scale either above or below the Normal Standard of Health, viz.:—98·4 Fahrenheit, which is marked O on these thermometers. For direct reading and the absence of all possibility of error, its simplicity commends it to every household, and it is so simple that it can be read by a child

Sole Maker:—JAMES J. HICKS.

CLINICAL THERMOMETERS

As a Wholesale Manufacturer to the Trade I do not deem it advisable to publish prices, but correspondents may always have lowest quotations by return mail, and I offer most exceptional terms to large buyers.

FIFTY DIFFERENT VARIETIES TO SELECT FROM.

Illustrated Price Lists Free.

A. MILLAR & CO., LTD., DUBLIN

PURE ORANGE WINE

(VINUM AURANTII, B.P.), prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.)

London Agent: JAMES STIRTON, 23 ST. DUNSTAN'S HILL, E.C.

PATTINSON'S

MAGNESIA

CARBONATE, CALCINED, AND FLUID.

THE WASHINGTON CHEMICAL CO., LIM., WASHINGTON, COUNTY DURHAM, **ENGLAND.**

London Agents—Messrs. CLIFFORD CHRISTOPHERSON & CO., 21 Mincing Lane, London, E.C.

FREE SAMPLES OF GOLD

AND OTHER EMBOSSED SEALS, LABELS AND WRAPPERS.

COLOURED LABELS of every description and design suitable for chemists making up own goods. Huge selection by English and French Artists.

AS SUPPLIED TO LARGEST SOAP AND PERFUME MAKERS IN THE KINGDOM.

Trial orders for 1,000 accepted.

Ask for specimens of imitation Wax Seals. Beautifully embossed with Trade Mark, &c.
Over 5,000 firms supplied all over the world. **300,000 seals turned out daily.**
All kinds of Colour Printing for the Trade. DESIGNS AND ESTIMATES FREE.

W. R. F. AVERY, 317-18-19 DASHWOOD HOUSE, NEW BROAD STREET, LONDON, E.C.

SEND POSTCARD WITH YOUR ADDRESS.

The National Cash Register Company, Ltd.

225 Tottenham Court Road, London, W.

Great Reduction in Prices.

Cash Registers from £4 upwards.

Autographics, £1 to £6.

Use a National Cash Register in your shop!
It will save you money, mistakes it will stop,
Protecting your Customers, trade will increase,
Your time will be saved, and your worry decrease.

We accept monthly instalments if required. Established 20 years.

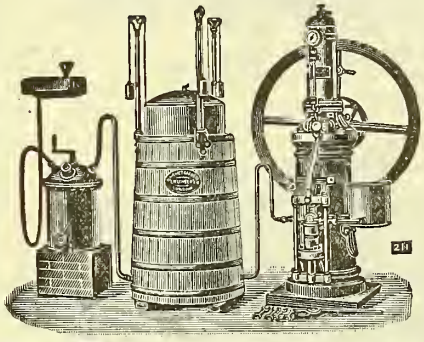
Our Machines Guaranteed to be Cheaper and Better than any other make.

New Machines at lower prices than those charged by other dealers for similar machines second-hand

Write for particulars, or call at any of our Show Rooms and inspect our stock, where we have Cash Registers suitable for every class of shop, from the smallest to the largest.

BRANCH OFFICES IN EVERY TOWN.

THE BEST HOUSE IN THE WORLD for all requirements — of the — MINERAL WATER TRADE



THE "NIAGARA."

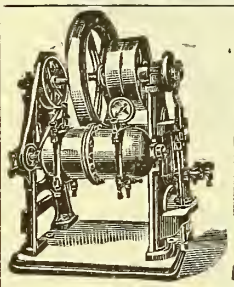
This type is fast superseding all other makes, and is used in the leading manufactories of the world.

Size	Producing capacity per day	Price, with gas-making apparatus
X	100 dozen	£30
W	300	£45
U	450 "	£52
T	600 "	£70
S	1,200 "	£85
R	2,500 "	£135

Are all Fitted for Hand and Power.

NOTE.—We *include* all necessary Connecting Pipes free *without extra charge*, so that the machinery is ready for work upon arrival.

FOR LARGER SIZES SEE CATALOGUE.



THE "LILLIPUTIAN."

Complete with Gas-making Apparatus, all pipings and connections included.

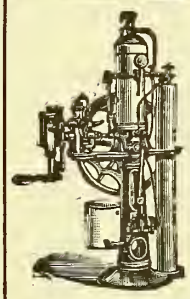
No. 1 size, producing 600 dozen in 10 hours £62 0 0
No. 2 " " 1,000 " " £75 0 0

No. 1 is fitted for Hand Power: No. 2 for Motive Power.

THE "LANCASHIRE."

Complete with Gas-making Apparatus, all pipings and connections included.

No. 0 size producing 2,500 dozen in 10 hours £165 0 0
No. 1 " " 1,500 " " £131 0 0
No. 2 " " 1,200 " £100 0 0



THE "COMPACT."

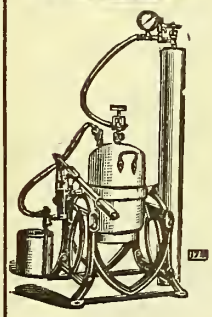
For Use with Compressed Carbonic Acid Gas.

In use by the leading Chemists, Hotels, Hospitals, and Public Institutions throughout the United Kingdom.

THE MOST SUCCESSFUL MACHINE OF THE TIMES THE PERFECTION OF SIMPLICITY. AUTOMATIC CARBONATION.

PRICES:

No. 1.—Capacity 1,200 dozen per day, including Filling Machines for Bottles *and* Syphons £60 0 0
No. 2.—Capacity 600 dozen per day, including Filling Machines for Bottles *and* Syphons £48 0 0
No. —Capacity 300 dozen per day, including Filling Machines for Bottles *or* Syphons £33 0 0



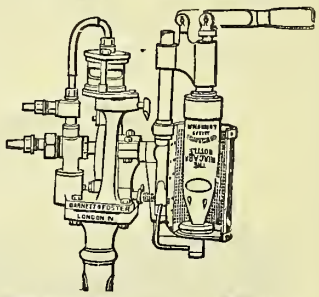
THE "CYLINDER" SODA WATER PLANT.

This is a Cheap Apparatus, designed for use with Compressed Carbonic Acid Gas; for serving Soda Water on the counter by means of a silver-plated counter stand.

PRICES FROM £15.

Specially suitable for Hotels, Chemists, Confectioners, Pastrycooks, &c.

THE "IDEAL."



With Syrup Pump £9 9 0
Without Syrup Pump £7 7 0

FILLING MACHINE, for "Codd's Niagara" and all kinds of Internal Stoppered Bottles.

The Quickest and most reliable Filling Machine on the market. SYRUPS AND FILLS AT ONE OPERATION. No Waste.

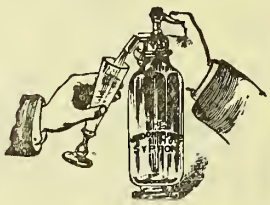
THE "GALWAY."

With Syrup Pump .. £10 10 0
Without Syrup Pump £5 5 0

FILLING MACHINE FOR SYPHONS.

THE SIMPLEST OF ANY SYPHON FILLER YET INTRODUCED.

BALL-STOPPERED BOTTLES, SYPHONS,



AND CORK BOTTLES
AT LOWEST RATES.
Prices upon application.

SPECIALITY: "RED CLUB BRAND"
SOLUBLE ESSENCES.

Shipped in Bond. . . . Prices and Samples on application.

BARNETT & FOSTER, "Niagara Works," 26T Eagle Wharf Road, London, N.

Branch House: Johannesburg, P.O. Box 1316; Manager, Mr. CARL ALBERT.
Cape Town, P.O. Box 1391; Manager, Mr. F. G. INGRAM. } Stocks held.
Indian Agents: S. FITZE & CO., Ltd., Bombay, Calcutta, Karachi.

IT IS IMPERATIVE THAT CHEMISTS AND OTHERS REQUIRING

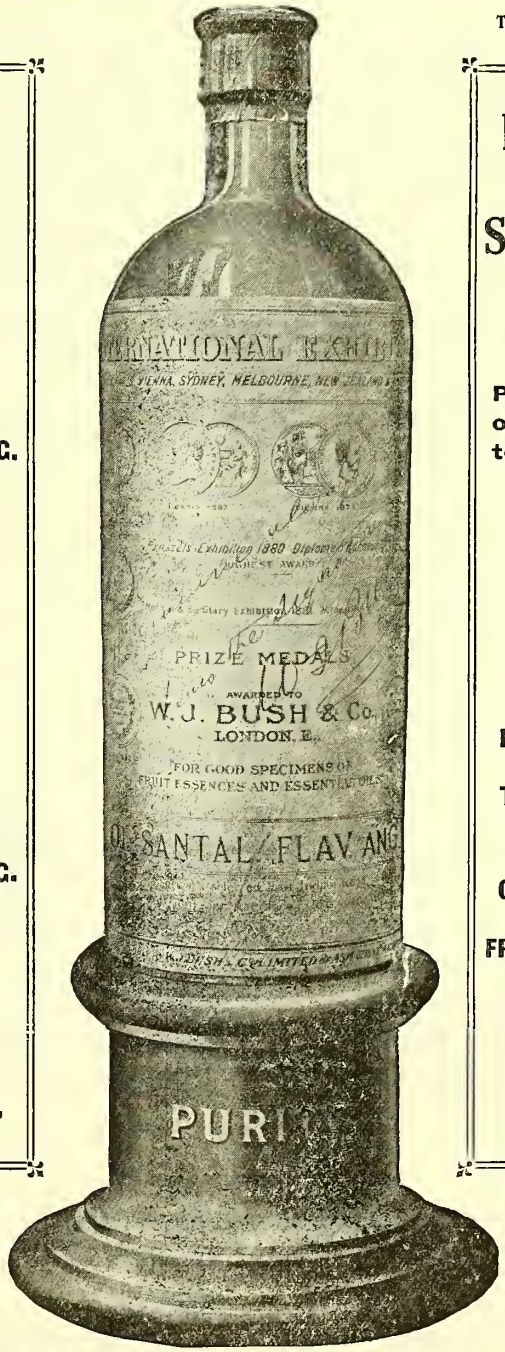
ESSENTIAL OILS

for Medicinal Purposes should employ Genuine and Finest Qualities only.

These can be obtained from W. J. BUSH & CO., LTD., who guarantee the following to be absolutely pure and to pass the tests of the British Pharmacopœia, 1898.

Telephone Nos. 461 Dalston (4 lines). Telegraphic Address: "TANGERINE LONDON."

OL. AMYGDALÆ ANG.
OL. ANETHI ANG.
OL. ANISI.
OL. ANTHEMID. ANG.
OL. CAJUPUTI.
OL. CARUI ANG.
OL. CARYOPH. ANG.
OL. CINNAMOMI VER. ANG.
OL. COPAIBÆ ANG.
OL. CORIANDRI ANG.
OL. CUBEBÆ ANG.
OL. EUCALYPTI.
OL. JUNIPERI ANG.
OL. LAVANDULÆ.
OL. LIMONIS.
OL. MENTHÆ PIP. ANG.
OL. MENTHÆ VIRIDIS ANG.
OL. MYRISTICÆ ANG.
OL. PIMENTÆ ANG.
OL. ROSÆ.
OL. ROSMARINI.
OL. SANTAL. FLAV. ANG.



FRUIT ESSENCES
AND
SOLUBLE ESSENCES

FLORAL OTTOS
Possessing the aroma of the natural flowers to a remarkable degree.

SYNTHETIC PERFUMES.
HARMLESS COLOURS.
CARAMELS.
FRENCH ESSENTIAL OILS.
TERPENELESS ESSENTIAL OILS.
OIL OF ORRIS CONCRETE.
FRENCH CREAM HEADINGS.
CONCENTRATED FRUIT JUICES.
PRESERVATIVES.

HEAD OFFICES:
W. J. BUSH & CO., Ltd., Ash Grove, Hackney, LONDON, N.E.

In Great Demand Buvo

All Chemists and Druggists not yet stocking BUVO—THE GOLD MEDAL CONSOMMÉ IN TWIN-TABLET FORM —which is meeting with a rapidly increasing demand all over the country—are invited to write for our SPECIAL OFFER, on the terms of which

Buvo —in tins of 6's and 12's at 8/- per gross— *shows a return of 55 per cent.*

Put up in twin-tablets—each tablet sufficient for a cupful of stimulating beef extract and vegetable soup—at the cost of one halfpenny—BUVO comes at an economical price at an opportune time.

PRICE PROTECTED. ON P.A.T.A. LIST.

BUVO Ltd., 26 Rosebery Avenue, London, E.C.

"SOLAZZI" LIQUORICE JUICE

THE CHEMISTS' BRAND.

'The Lancet' says: 'Of Standard Purity'

Recommended also by '*The British Medical Journal*,' '*Health*,' '*The Chemist and Druggist*,' '*Food and Sanitation*.'

ASK FOR SHOWCARDS AND HANDBILLS. To be obtained of all Wholesale Houses.

Chemists looking for the most profitable, attractive, and unique lines for the Winter Season, should write for Price List from

A. WANDER, Ph.D.,

1 & 3 Leonard Street, City Road, LONDON, E.C.

LOFTHOUSE & SALTMER, *Wholesale and Export Drug Merchants, Manufacturing Chemists,* HULL,

Offer the Trade the following valuable P.A.T.A. Protected lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the Country.

	Protected Retail Price.	Dozen.
LOSALL'S SALT (well advertised), tins ...	6d. ...	3/6 net.
" " " " ...	1/- ...	7/- "
" " " bottles in cartons	1/6 ...	10/6 "
LOSALL'S MILK FOOD, oblong tins 1/- size. Ideal Food for children and adults	8½d. ...	5/6 "
FINEST HYGIENIC FIRST MILK FOOD "Crown Brand," specially adapted for infants from birth to 3 or 4 months, tins 1/3	1/- ...	7/6 "
PREPARED BARLEY ("Crown Brand.") Usual 1/- size, lever lid tins. A good selling line	— ...	4/- net.
MALTED FOOD. Usual 1/- size, lever lid tins. Buyer's name and address printed free on 3 dozens. Special design label, name and address, on gross orders if desired	— ...	4/6 "
LOSALL'S FOOT-ROT OINTMENT, ... enamelled tins	1/- ...	7/6 "

Chemists taking up the above really valuable, large profit-yielding lines, will find them an important adjunct to their business,

London Agents: F. NEWBERY & SONS.

If you want close up-to-date Quotations for superior and approved Counter Specialities, and for Pure Drugs, Chemicals or Pharmaceutical Preparations, don't fail to write to

LOFTHOUSE & SALTMER, *Wholesale Druggists,* HULL.

Window-dressing Competition

CASH PRIZES £200

Virol is no longer little known, or to some extent upon its trial. It has amply vindicated its right to take first rank among the most potent of energising foods and repairers of tissue waste.

More than 800 of the principal Hospitals and Consumption Sanatoria have definitely adopted Virol, and the great majority of Medical Practitioners now prescribe Virol in all conditions of wasting.

From this it will be seen that Virol has definitely taken its place, with the medical profession and public institutions, as the standard nutrient in wasting conditions, and now the sales are being pushed with a vigorous newspaper advertising campaign.

The substantial PROTECTED PROFIT upon Virol has made this preparation a popular one with the Trade. To induce our customers to make a special effort to share in the increased business resulting from our extensive Advertising Scheme, we have prepared a WINDOW-DRESSING COMPETITION, the terms of which are as follows:—

CONDITIONS.

The Competition is open to all customers on the following terms:—

1. **A MINIMUM ORDER** of **£5** on the following prices:
   10/- per dozen; minimum selling price **1/-**
   17/- ,, ,, ,, ,, ,, **1/8**
   30/- ,, ,, ,, ,, ,, **2/11**
   carriage paid, and a discount of 5 % on orders of £5 and over. A further discount will also be made for window shows.
2. **A WINDOW DISPLAY OF VIROL** must be given, for a period of not less than three weeks, between October 1, 1909, and March 15, 1910.
3. As soon as the window display is put in, you must send a **POST CARD** to Virol Ltd., 152–166 Old Street, London, E.C., **ADVISING** them of it.
4. **A PHOTOGRAPH OF EACH DISPLAY** with the name and address of the customer written upon the back of it, must be sent to Virol Ltd., 152–166 Old Street, London, E.C., on or before March 1, 1910.
5. The **WINDOW DISPLAYS** will be **JUDGED**, from the photographs, by S. H. BENSON, ESQ., of S. H. Benson, Ltd., Kingsway Hall, London, W.C. In the case of any dispute, the decision of the Managing Director of Virol Ltd. will be final.
6. **THE RESULTS** of the Competition will be published in "The Chemist and Druggist," on April 2, 1910.

PRIZES

1st Prize	**£50** and **£3 3 0**	to the Window Dresser	
2nd ,,	**£25** and **£2 2 0**	,, ,, ,,	
3rd ,,	**£15** and **£1 1 0**	,, ,, ,,	
4th ,,	**£10** and **£0 10 6**	,, ,, ,,	
5th ,,	**£5** and **£0 5 0**	,, ,, ,,	
6th Prize	**£5** and **£0 5 0**	to the Window Dresser	
7th ,,	**£5** and **£0 5 0**	,, ,, ,,	
8th ,,	**£5** and **£0 5 0**	,, ,, ,,	
9th ,,	**£5** and **£0 5 0**	,, ,, ,,	

25 Prizes of **£1** each - - **£25**
100 ,, ,, **10/-** ,, - - **£50**

A £50 prize is worth an effort and it may be yours, if you give your WINDOW DISPLAY a little thought and study.

Show Cards, Window Bills, Cut-outs, and Dummies will be supplied with each order. All orders will be filled in rotation, so write at once to **VIROL LTD.,** 152-166 Old St., London, E.C.

VIROL

HERBERT HYMANS & CO.

Offer Special Inducements to
WHOLESALE Buyers of

Aloes Curacoa
Balsam Copaiba.
Balsam Tolu
Belladonna Root
Cannabis Indica
Cardamoms
Colocynth Pulp.
Cubebs
Ergot of Rye
Eucalyptus Oil, B.P.
Eucalyptus Globulus Oil
Gum Myrrh
Henbane Herb
Sarsaparilla
Senna Tinnev.
Seeds—Anise, Coriander, &c.

In Original Packages, to Wholesale Buyers only.

Import and Export
Roots, Barks, Seeds, Gums, Spices, Oils.

CORRESPONDENCE INVITED.

13 & 14 TRINITY SQUARE, LONDON, E.C.
Telephone: 5665 Avenue. Telegrams: "NARCOTIZAR LONDON."

LISTERINE

The Popular American Antiseptic.

A non-toxic antiseptic of known and definite power; prepared in a form convenient for immediate use; of ready dilution, sightly, pleasant, and sufficiently powerful for all purposes of asepsis—these are advantages which Listerine embodies.

The success of Listerine is based upon merit, and the best advertisement of Listerine is—Listerine.

LISTERINE DERMATIC SOAP

Designed to meet the most exacting requirements of a saponaceous detergent for use in the antiseptic treatment of diseases of the skin. No animal fats, and only the best vegetable oils enter into its composition, and of these it contains a surplus, "superfatted." It is a bland, unirritating and remarkably efficient soap.

LISTERINE TOOTH POWDER

This powder is not intended to supplant Listerine in the daily toilet of the teeth, but is offered in response to the demand for a frictionary dentifrice to be used in conjunction with this well-known and time-tried antiseptic.

Listerine Tooth Powder, like Listerine, will advertise itself by its intrinsic merit.

BRITISH TRADE SUPPLIED BY
S. MAW, SON & SONS, 7 to 12 Aldersgate St., London, E.C.
General Agents for Great Britain.

For Descriptive Literature, Address—

LAMBERT PHARMACAL CO., St. Louis U.S.A.

"THE BRITISH MEDICAL JOURNAL,"

October 16, 1909.

DIAMALT WITH COD LIVER OIL.

We have received from the British DiaMalt Co., 11 and 13 Southwark Street, London, S.E., samples of two combinations of malt extract with cod liver oil, which they have recently put upon the market. These are stated to consist of cod liver oil and malt extract only, with neither flavouring ingredients nor preservatives, and to contain respectively 15% and 33⅓% by weight of the oil, or, approximately, 20% and 42% by measure.

Our analyses of the two samples gave the following results:

	No. 1.	No. 2.
Cod Liver Oil - - -	15·3 %	33·6 %
Maltose - - -	59·6 %	57·9 %
Diastatic Power of the extract, in terms of the B.P.C. test - -	671	455

Notwithstanding the large proportion of oil present, its taste was most effectually disguised by the malt extract, and both preparations were very palatable; the absence of aromatic essential oils, such as are sometimes used to mask the flavour of the oil, must also be regarded as an advantage. Both samples were of quite thin consistence, and should be acceptable even to those who find viscosity and stickiness as repellant as the undisguised taste of cod liver oil. Either of them readily forms a milky emulsion when shaken up with water.

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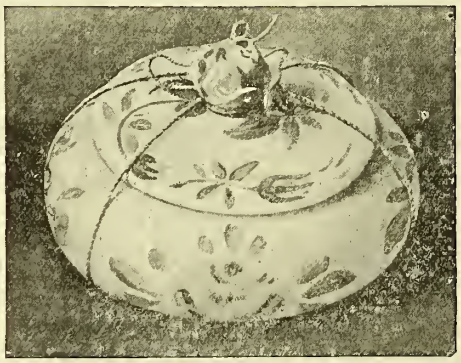

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A Weekly Journal of the Chemical and Drug Trades,
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A NOTE TO ADVERTISERS.

All firms dealing in chemists' goods are reminded that the time for securing space in The Chemists' and Druggists' Diary, 1910, is getting short.

Our subscribers in far-off countries will be disappointed if the Diary is not before them by the New Year. They want to consult it before placing orders.

The publisher reminds us that the printers require several days for making up the formes, etc., and he has arranged to instruct them by

October 30.

Will you please, therefore, send your requirements to 42 Cannon Street, London, E.C., without delay in order that you may not be left out of so valuable a business medium as

"The Chemists' and Druggists' Diary, 1910"?

Summary of the Week.

Articles and Communications.

There are numerous items of a business and practical nature in this number which cannot be summarised conveniently. See the Contents.

"To wink at an evil is a very different matter from legalising it," is one of the "Daily Express's" remarks in regard to the sale of agri-horticultural poisons. See note on p. 646.

In an article on quinine in India we deal with the unfounded rumour that the Government is to authorise free distribution of quinine. Facts in regard to the manufacture and distribution of quinine in India are included in the article (p. 645).

"Xrayser" writes about the placidity prevailing in Irish pharmacy; his suggested improvement in Benevolent Fund administration; the strange circumstances *re* advertising "secret remedies"; and the words in the latest part of the Oxford English Dictionary (p. 643).

A feeling of indignation is growing throughout Great Britain in regard to the Pharmaceutical Council's inaction as to agri-horticultural licences. We review the situation, taking Mr. Gifford's recent motion and the Cumberland-Westmoreland memorial as the basis of our remarks (p. 644).

Mr. Ridley, of Carlisle, appeals to chemists generally to support the Cumberland-Westmoreland memorial, recites facts which call for action, and invites expressions of opinion on the subject (p. 657). Tersely expressed views on postcards for or against immediate action would meet the case, and we shall be glad to give publicity to them.

Legal and Parliamentary.

The indiscriminate granting of agri-horticultural poison-licences in Scotland has been mentioned in Parliament. The official answer showed some lack of acquaintance with the subject (p. 650).

Damages for injuries in tooth extraction, and from drinking hop-ale said to contain zinc chloride, have been awarded by High Court juries (p. 634). A Swan trade-mark action is also reported, as well as the fining of a Dundee chemist for infringing Section 17 of the Pharmacy Act. The composition of "strip" for laundries was discussed in a City Court case (p. 635).

News.

A Departmental Committee has been appointed to advise the Colonial Office on medical and sanitary matters (p. 631).

The results of the examinations conducted by the Pharmaceutical Society of Ireland this month are given on p. 632.

Mr. George R. Cleghorn, the new member of the Cape Board of Pharmacy, is the son of an original member of the Board, and a "Square" man (p. 633).

Can anyone explain how the St. Cuthbert's Co-operative Association makes a gross profit of 70 per cent. on the returns of its drug department? See the figures on p. 632.

The golf competition in London on Wednesday between members of the London Chemists' Golf Club and of the Drug Club resulted in a win for the former by one (p. 631).

Reports of fourteen chemists' association meetings begin on p. 647, being prefaced with the first of a series of illustrated ditties, entitled "After-dinner Attitudes." The following are special topics: "Successful Advertising" (p. 648), "The Present Pharmaceutical Position" (p. 649), and "The Poisons and Pharmacy Act" (p. 649).

The Second Congress of the White Cross Society of Geneva is being held in Paris this week, and we report the proceedings as far as they interest our readers. The Congress is to meet in London in 1911, and it behoves those interested in the subjects to watch the discussions, as they will influence international commerce (p. 639).

Trade Matters.

The Bandong Quinine Factory has declared a dividend of 10 per cent. (p. 653).

Business in many directions shows some improvement. Quicksilver and mercurials are higher, the latter by a penny. Opium shows a further advance, and a threepenny rise in morphine salts has taken place. Glycerin is dearer by 50*s.* per ton. Castor oil is firmer and American aloin is easier. Shellac is lower (p. 653).

FORMULAS FOR "C. & D. DIARY."

Subscribers will please note that we cannot receive after Friday, October 29, formulas for known, admitted, and approved remedies for publication in the *C. & D. Diary*, 1910.

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

All communications for this section should be addressed thus: "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C."

Qualitative Analysis.

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopœia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a *stamped and addressed envelope*, marked "Corner for Students" on the top left-hand corner) will be received up to Tuesday, October 26, and the samples will be posted on the following day.

Students' reports will be received up to Saturday, November 6. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

Special Note.—The analysis announced above forms the opening exercise in the analytical tournament for the current winter session. The usual monthly first and second prizes in this series of analyses will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, which fact *must be attested on their reports*. Students who adopt a *nom de plume* must adhere to it throughout the tournament.

English and Welsh News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Contracts.

Southampton Guardians.—Burgoyne, Burbidges & Co., for the drug-supply.

Swindon and District Hospital Board.—Williams & Co., Ltd., Bridge Street, Swindow, appointed chemists for six months.

Nottingham Guardians.—Mr. H. C. Lees and Mr. S. Cook, chemists and druggists, Nottingham, for the supply of drugs, etc.

Hertford and Ware Joint Hospital Board.—Mr. J. H. S. Lewis, chemist and druggist, Ware, for the supply of medical sundries.

Camberwell Guardians.—South Metropolitan Gas Co., for the supply of disinfectant-fluid at 9*d*. per gal. net (in 5 or 10 gal. drums or in 40-gal. casks).

War Office.—For the supply of surgical materials S. Maw, Son & Sons (running contract) and Cuxson, Gerrard & Co., Ltd., Birmingham (running contract).

Stockport Guardians.—D. Moseley & Sons, Ltd., Manchester, for water-beds at 4*l*. 4*s*. each, plain water-pillows at 12*s*. each, and circular water-pillows at 5*s*. 4*d*. each.

London County Council.—The Asylums Committee has accepted the following tenders for five months' supplies at estimated values: G. T. Cox & Sons, Ltd., for extract of beef (Queensland Blend), 208*l*.; L. Rose & Co., Ltd., for lime-juice, 236*l*.; H. Sarson & Sons, Ltd., vinegar, 40*l*.; Corbyn, Stacey & Co., Ltd., for rectified spirit of wine at 1*l*. 7*s*. per gal.

The Stourbridge Guardians had before them on October 15 a motion by Mr. F. W. Biggs, chemist and druggist, that Messrs. George Pearson, Ltd. (contractors for drugs), be not allowed to tender again until they apologise for sending an intimidatory letter to a member of the Board (*C. & D.*, October 9, p. 574). Mr. Biggs said that he had received a letter of apology from the firm, and that the manager had unreservedly withdrawn any aspersions on his conduct. The motion was withdrawn.

Swindon and Highworth Guardians.—Green & Co., chemists, 19 Wood Street, Swindon, for belladonna plaster on moleskin, at 2*s*. 9*d*. per yard, porous at 1*s*. 3*d*. per yard; borax, at 1*d*. per lb.; camphor, at 2*s*. 3*d*. per lb.; flowers of sulphur, at 1*d*. per lb.; glycerin, at 1*s*. 6*d*. per stone; guttapercha tissue, at 1*s*. per yard; boric acid, at 5*d*. per lb.; iodoform ointment, at 1*s*. 9*d*. per lb.; white lint, at 1*s*. 3*d*. per lb.; boric lint, at 1*s*. per lb.; vaseline, at 4½*d*. per lb.; Epsom salts, at 1*d*. per lb.; Methylated spirits, at 2*s*. 9*d*. per gallon; seltzogene refills, at 1*s*. 6*d*. per box; tow, at 6*d*. per lb.; carbolic acid, at 2*s*. 6*d*. per quart; carbolic oil, at 1*s*. 9*d*. per quart; Parrish's food, at 2*s*. 6*d*. per bottle; trusses, single at 2*s*. each, double at 2*s*. 9*d*. each; cod-liver oil, at 3*s*. 6*d*. per gall.; quinine, at 6*d*. per oz.; self-adhesive strapping, at 2*d*. per yard; antiseptic gauze, at 2*d*. per yard; bandages, at 1*s*. 4*d*., 1*s*. 6*d*., and 1*s*. 9*d*. per dozen; feeding-bottles, at 12*s*. 6*d*. per dozen; teats, at 3*s*. 6*d*. per dozen; clinical thermometers, at 9*d*. each; cotton-wool, at 9*d*. per lb.

Brevities.

Darwen chemists are to participate in a local special show week and window-dressing competitions to be held during Christmas time.

The medicated-wine licence attached to the chemist's business carried on at 2 Franklin Road, Harrogate, has been transferred to Mr. W. B. Whaler.

The Royal College of Surgeons of England is to celebrate on December 2, by means of a dinner, the Jubilee of the granting of its Charter enabling the College to confer diplomas in dental surgery.

At Wolverhampton on October 16, a horse attached to a carrier's cart suddenly shied and pushed the vehicle through the large plate-glass front of Messrs. Reade Bros. & Co., Ltd., chemists, 62 Victoria Street. The window and its contents were completely wrecked, but the bystanders escaped serious injury.

In reference to the request of the Faversham Guardians (*C. & D.*, October 16, p. 595), Dr. Wonnacott, Boughton Blean, medical officer, has informed the Board "that it is of no moment to him where his drugs come from, so long as they are good, and he had no doubt they would be that if he obtained them from a Faversham chemist."

At Coventry on October 16, Thomas Tierney, 75 Hastings Street, Luton, photographer, was committed for trial to the Quarter Sessions on a charge of stealing a camera value 8*l*. 8*s*., the property of Messrs. Loveitt & Bones, chemists, Hertford Street, Coventry. It was alleged that the prisoner hired a camera and subsequently pawned it at Northampton.

At the Ryde School of Art ticket-writing is one of the subjects taught in the decorative painting class. It is a subject which chemists' assistants should look into. We notice that Mr. E. W. Pollard, B.Sc., Ph.C., is the teacher of botany, chemistry, and magnetism and electricity at the evening science classes held in the school. Mr. Pollard's lectures give a good "Minor" foundation.

Dr. G. H. Savage, who delivered at the Royal College of Physicians on October 18 the Harveian Oration, is a brother of Mr. W. W. Savage, the well-known Brighton pharmacist. After the oration, Sir William Church, the President, presented the Moxham Medal to Sir William Gowers and the Baly Medal to Professor Emil Fischer, of Berlin, who, however, was unable to be present.

When opening the new phsyiological and chemical laboratories at the London Hospital Medical School last week, Professor William Osler, M.D., of Oxford University, spoke of the "scandalous injustice" that the London student cannot, after an ordinary, honest examination, get the usual M.D. degree. He added that by combination

the students would get what they wanted in a year or two if they went to the right authorities in the right spirit.

Lady Ramsay laid the foundation-stone of the radium and uranium works of the St. Ives Consolidated Mines, Ltd., and the British Radium Corporation, Ltd., at Thomas Street, Limehouse, on Saturday afternoon, October 16. It was stated that the Continental process of extracting radium from pitchblende occupies about twelve months, but in the works to be erected it will take from six to seven weeks only. The "Financial Times" of October 18 contained a two-column report of the speeches.

Analysts' Affairs.

The Rotherham public analyst reports that he examined during the past quarter one sample each of camphorated oil and castor oil. Both were genuine.

The Salford public analyst (Mr. J. Carter Bell) in his September quarterly report states: "It is remarkable that in this quarter there are no adulterated samples to report upon."

The Poplar analyst has examined samples of cream of tartar, vinegar, olive oil, saffron, ammoniated tincture of quinine, and camphorated oil, without finding any of them defective.

Radnorshire County Council has received a letter from the Local Government Board with reference to the proposed appointment of Mr. H. H. Ward as analyst for the county. Mr. Ward states that he hopes to obtain the qualifications required by the Board next January. Mr. C. A. Seyler, B.Sc., F.I.C., Swansea, is recommended for appointment *pro tem.*

False Trade-marks.

Sir Edward Grey has informed the Association of Chambers of Commerce that he will approach the French Government with a view to the introduction of legislation for the suppression of fraudulent marks indicating that goods were made in Great Britain when the contrary was the fact. A suggestion was made by the Association that when the Customs authorities seize goods under the Merchandise-marks Act they ought to furnish full information to the manufacturer, dealer, or trader, whose trade-mark has been infringed, as to the origin, transit, destination, and description of the goods so seized, but the Treasury reply that the Customs have no power to give such information.

Lectures on Essential Oils.

The second lecture of the series by Mr. C. T. Bennett, delivered at the Borough Polytechnic Institute on October 13, dealt with the determination of the physical constants of essential oils. The various methods of taking specific gravity were described and practical difficulties explained, also the corrections necessary for accurate scientific work. The structures of the different forms of polarimeter and refractometer were explained, and the elementary principles on which the instruments are based briefly outlined, including the properties of Iceland spar, the construction of the Nicol prism, the meaning of polarisation refraction and refractive index, and their value in scientific work.

Hygiene of Tropical Africa.

In accordance with the recommendations of the recent Departmental Committee on the West African Medical Staff, the Secretary of State for the Colonies has appointed the following Advisory Committee on medical and sanitary questions connected with the British Colonies and Protectorates in Tropical Africa: Mr. H. J. Read, C.M.G., of the Colonial Office (Chairman); Sir Patrick Manson, K.C.M.G., M.D., F.R.C.P., F.R.S., Senior Lecturer, London School of Tropical Medicine; Sir Rubert Boyce, M.D., F.R.S., Dean of the Liverpool School of Tropical Medicine; Mr. C. Strachey, of the Colonial Office; Mr. W. T. Prout, C.M.G., M.B., late Principal Medical Officer, Sierra Leone; Mr. Theodore Thomson, C.M.G., M.D., of the Local Government Board; Mr. W. J. Simpson, C.M.G., M.D., F.R.C.P., Professor of Hygiene, King's College, London; and Mr. J. K. Fowler, M.A., M.D., D.Sc., F.R.C.P., late Dean of the Faculty of Medicine, University of London. Mr. A. Fiddian, of the Colonial Office, will act as Secretary.

Birmingham Notes.

Last week a runaway horse dashed into the plate-glass window of Messrs. Boots' shop, in Worcester Street.

Birmingham is up to date. The Chairman of the Midland Aero Club recently walked into a Birmingham pharmacy and there saw a parcel of bandages labelled "For aviators"!

The Bingley Hall exhibition at the moment, entitled "Everything for the Home," has much to interest pharmacists. Messrs. Southall exhibit table-waters and other temperance drinks.

It is necessary to notify to the M.O.H. the arrival of the new baby. Then the humblest cottage or the stately Edgbaston mansion receives a somewhat costly booklet, "How to Look After the Baby."

Ten new drug-stores have been opened in the city and district by men who were previously managers to local companies. The cause of these changes is stated to be Section 3 of the new Act, which the managers could not conform to, as they had no certificates of qualification to show.

Miss Rolason has been appointed to the vacant dispensership at the city workhouse. There were twenty applicants, and in the final selection of two ladies and one gentleman (who failed to turn up) Miss Rolason was selected. The salary is 50*l.* per annum for three hours' service daily.

A red-letter day in the University's history took place on Wednesday, when honorary degrees were conferred upon such notables as Messrs. Haldane, Lord Wolverhampton, Lord Rayleigh, Dr. Tilden, Sir W. Ramsay, Sir Wm. Crookes, Sir J. J. Morrison, Professor S. P. Thompson, and others. Alderman Clayton, Ph.C., supported the Vice-Chancellor, and the great hall was crowded.

Sheffield and District Notes.

Mr. M. H. Stiles, pharmaceutical chemist, was among the exhibitors at the annual conversazione of the Doncaster Scientific Society on October 15.

Mr. W. S. Crouch, Ph.C., F.C.S., who has been managing the Fulwood Road branch of Mr. J. F. Eardley, is leaving Sheffield to devote his energies to fruit-growing in Australia. On Friday evening, October 15, Mr. R. D. Douglas presided over an interesting gathering to bid farewell to Mr. Crouch and to present him with tokens of the esteem and regard in which he is held, the presentation being made on behalf of the firm and a few personal friends.

The annual dinner of the city analyst's staff and "old boys" was held at the King's Arms Hotel last week. Among those present were Messrs. S. E. Melling (public analyst for Wigan), John Evans (public analyst for York), A. R. Tankard (public analyst for Hull), Dr. J. Thompson (London), Messrs. S. O. Richmond (Plymouth), H. Hurst (Newport, Mon.), R. McGregor (Frodingham), G. H. Appleyard (Hull), and D. Homfrey (Misterton). Mr. G. E. Scott-Smith (city analyst) presided.

Golf.

A friendly match was played on the Muswell Hill course on Wednesday afternoon, October 20, between members of the London Chemists' Golf Club and the Drug Club. The weather was not favourable to good play. The result was a win for the L.C.G.C. by the narrow margin of one. The folowing are the scores:

S. Briggs	1	C. A. Hill	0
C. Tanner	1	R. K. Harvey	0
F. Cooper	0	E. B. Layman	1
H. Tomlins	1	Sir E. Evans	0
P. Trick	0	T. E. Lescher	1
E. Beaton	0	C. A. Dunn	1¼
W. Duncan	0	Alan Hicks	0
J. Jones	0	Dr. Hanbury	1
J. Murison	1	H. C. Wright	0
G. Beaton	1¼	H. H. Townsend	0
	5¼		4¼

In the afternoon foursomes were played, the Drug Club winning every match.

Drug Stores Association of Great Britain.

A special meeting of the Council of the Drug Stores Association was held at Cowborough's Restaurant, Leeds, on Tuesday, October 19, Mr. W. Huntrodes (President) in the chair. The Treasurer (Mr. J. B. Clarkson) and Secretary (Mr. A. Dobson) submitted draft reports, which were considered satisfactory. The President stated that the question of issuing certificates would be decided at the annual meeting, which is to be held at the Mitre Hotel, Manchester, on Wednesday, October 27, at 2.30 P.M.

Football.

The Sheffield Chemists' Athletic Club were at home on October 14, when they met the Belvoir football team in friendly contest. The chemists were in scoring mood, and obtained eight goals against three by their opponents. Messrs. Coaks, Knowles, Hawes, and Worrall shot goals for the pharmacy team.

Irish News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Pharmaceutical Society of Ireland.

Pharmaceutical Licence Examination.—The following have passed: Thomas Edward Dixon, Belfast; George Shannon, Timoleague, co. Cork; Alexander Kincaid, Kells, co. Meath; Robert O'Shea, Haverfordwest, South Wales; Richard Jerome Carter, Naas; Robert Mellon, Lisburn; William Leach Young, Ballyroan, Queen's County; Michael Joseph Walsh, Dunmanway, co. Cork. Fourteen candidates were rejected.

Registered Druggist Examination.—John Andrew McRoberts, Belfast, has passed. Four candidates were rejected.

Pharmaceutical Assistant Examination. — Eugene Patrick McSweeney, Cork, passed.

In condensing the annual financial statement of the Pharmaceutical Society of Ireland, which was presented at the annual meeting, some errors crept into our report last week (p. 620). The following is how this should have been printed:

The statement showed that the balance due by the Bank of Ireland at the close of last year was 192*l.* 8*s.* 4*d.*; there had been received in examination fees 654*l.* 13*s.* 6*d.*; members' subscriptions, 286*l.* 13*s.*; dividends, fees, and rents, 88*l.* 0*s.* 3*d.*; amount for schools to invest in new 2½-per-cent. stock, 100*l.*; making a total on the debtor side of 1,321*l.* 15*s.* 1*d.* On the credit side there were disbursed in examiners' fees, 266*l.* 2*s.*; registrar's salary, 160*l.*; The Chemist and Druggist, 72*l.* 6*s.* 3*d.*; rent and taxes, 47*l.* 18*s.* 8*d.*; lighting, printing, and furniture, 133*l.* 5*s.* 9*d.*; law costs, postages, etc., 241*l.* 10*s.* 7*d.*; travelling expenses of country members of Council, 46*l.* 12*s.* 5*d.*; stamps on drafts, 8*s.* 4*d.*; purchase of new 2½-per-cent. stock, 200*l.*; balance due by the Bank of Ireland, 153*l.* 11*s.* 1*d.*

Personal.

Belfast Board of Guardians have appointed Mr. D. W. Elliott, pharmaceutical chemist, Shaftesbury Square, to represent them on the Windsor Ward Pension Sub-committee in connection with the old-age pensions.

At the annual meeting of the Central Presbyterian Association, Belfast, on October 14, Mr. Jas. Guiler, pharmaceutical chemist, Ormeau Road, was elected to a seat on the General Committee for the next three years.

The following professors have been nominated by the Governing Body of the National University of Ireland: Chemistry (salary 750*l.*), Mr. Hugh Ryan; bacteriology (600*l.*), Dr. MacWeeney; materia medica and therapeutics (200*l.*), Dr. Dempsey.

Mr. J. A. Hutchinson (late representative of Messrs. J. & J. Haslett, Ltd.) was successful in passing his Third Professional examination of the Royal College of Surgeons and Physicians, Edin. He obtained Sir Wm. Whitla's special prize in materia medica and therapeutics, also first prize in the same subjects at the class examination.

Guardians' Affairs.

The Croom Guardians have appointed Mr. Nugent, pharmaceutical chemist, temporarily as compounder at the workhouse, a position long held by his father. Mrs. Nugent has asked the Guardians to appoint her son, as he is the only support of the family.

The Local Government Board has issued a circular letter to the Poor-law Guardians, suggesting greater freedom of choice in the anæsthetics employed in the infirmaries, and that remedial drugs should be always at hand in the operating-rooms for the use of the medical staff if required.

At the Derry Board of Guardians, on October 16, a letter was received from the L.G.B. stating that, in the interests of the sick poor of the Waterside District, the attendance of the compounder of medicines is necessary at the dispensary for an hour on each of four evenings weekly. The Board requested the Guardians to inform the compounder to make arrangements to this end. The question of extra remuneration for this work is to be considered by the Guardians.

Scots News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Co-operative Trading.

At the quarterly meeting of the Dunfermline Co-operative Society it was reported that the drug-department showed an increase in turnover of 12½ per cent. compared with the corresponding period of last year, this beating all other departments. The committee have made arrangements with the object of improving and enlarging the drug-department. By opening a new shop the committee believe they will be able to increase the sales.

It is reported that St. Cuthbert's Co-operative Association, Ltd., Edinburgh, sold in the four drug-departments goods to the amount of 2,744*l.* during the last half-year, as compared with 2,934*l.* and 2,615*l.* in the preceding and corresponding half-years respectively. The gross profits amounted to 1,895*l.*, as compared with 1,953*l.* and 1,712*l.*; and the net profits to 1,090*l.*, as compared with 1,074*l.* and 935*l.* [The gross profits mentioned are so extraordinary that we have questioned the figures to a correspondent, who assures us that they are correct as published by the Association. As the gross profits in the retail drug-trade nowadays are scarcely half as much as the above, it would be interesting to hear what the Association has to say.—Editor *C. & D.*]

Edinburgh.

The Edinburgh Chemists' Golf Club concluded the season with a match between teams selected by the Captain and Hon. Secretary over the Banking and Insurance course at Duddingston. Result, 2½ matches each. Mr. G. W. Mangan has won the club's "Gibson" handicap medal for the year with the aggregate score of 245.

The action in the Court of Session has been settled in which David Gillies Leishman, an apprentice with Mr. John Dall, chemist, 27 Bruntsfield Place, Edinburgh, claimed 750*l.* as damages from the Provincial Motor Cab Co., Ltd., Edinburgh, for injuries sustained through being run over by a taxi-cab in May last. Pursuer, who is fifteen years of age, was overtaken by the cab when he was crossing the road at Bruntsfield Place. He has accepted a tender made by the defenders of 41*l.* damages, and expenses.

Glasgow and the West.

Mr. Alex. Cross, the member for Camlachie, has been adopted by the Liberal Association of the division as their candidate.

Mr. John King, chemist and druggist, has purchased the business of the late Mr. George Hyslop, chemist and druggist, Langside.

Mr. D. Watson, chemist and druggist, formerly in business at Langside, has been appointed manager of the St. Enoch Square establishment of Messrs. Spite & Co., Ltd., chemists.

Mr. George Macleod, who has been for nine years with Messrs. Alexander Robertson & Son, chemists, Oban, has left the town, and was presented with a purse of sovereigns by his fellow employés.

Scarlet fever is epidemic in the city at present, and the medical officer regards it and diphtheria as part of a wave of prevalence of both diseases, but especially of scarlet fever, which is occurring in the west of Scotland.

The local newspapers have devoted some attention to dangerous hair-washes, and an evening paper remarks:

"There is now a strong probability that all hairdressers who have used dangerous preparations will, in their own interests, discontinue them, and, in all likelihood, the Pharmaceutical Society will take steps to bring the matter before the Privy Council for the registration of the substances as poisons and the regulation of their sale."

The latter part of this sentence is also printed by the "Glasgow Herald."

South African News.

(From the "C. & D." Correspondents.)

Note.—"The Chemist and Druggist" is regularly supplied by order to all the members of all the Pharmaceutical Societies in British South Africa, viz.:

South African Pharmaceutical Association.
Pharmaceutical Society of Cape Colony.
Natal Pharmaceutical Society.
Transvaal Pharmaceutical Society.
Rhodesia Pharmaceutical Society.
Northern District Chemists' Association.
Pharmaceutical Society of Orange River Colony.

Cape Colony.

Colonial Medical Council.—For four vacancies on this Council the following gentlemen have been nominated by the medical men of Cape Colony: Dr. L. A. W. Beck, Dr. W. Darley-Hartley, Dr. E. B. Fuller, Dr. J. Hewat, Dr. F. Murray, Sir Edmund S. Stevenson, Dr. A. H. Watkins, and Dr. D. J. Wood. A poll will be taken, and December 15 will be the last day on which voting-papers will be received by Mr. Langham Dale, Secretary of the Council.

Chemists and Legislation.—Thursday, September 30, was private members' day in the Cape House of Assembly, and matters pharmaceutical were touched on by various speakers.—Dr. Hewat asked the Colonial Secretary whether, in view of the Select Committee's report last Session, he intended to introduce the suggested amendments to the Medical and Pharmacy Act. Mr. De Waal, in reply, said that the Government do not intend to introduce such legislation pending the establishment of Union.—Mr. Alexander asked the Prime Minister if it is the intention of the Government during the present Session to repeal or amend the Stamps and Licensing Act of 1908 so far as it relates to patent or proprietary medicines. Mr. Merriman replied that it is not the intention to repeal the Act, but it is the intention to introduce an amending Act. Mr. Alexander later moved for a return showing the amount of revenue obtained from the sale of patent-medicine stamps for each month for the period commencing June 1, 1909, and ending August 31, 1909. The motion was agreed to.

Colonial Pharmacy Board.—The last date for nominations by the registered chemists and druggists of members to fill the three positions on the Pharmacy Board was September 21. Messrs. William Kalk Mager, John Parry, and George Ramsay Cleghorn were nominated, and no others, so that no poll will be necessary, and these gentlemen will be the chemists' representatives on the Board for the next three years.

The new member of the Pharmacy Board, Mr. George Ramsay Cleghorn, is the son of the late Mr. Alexander Cleghorn, the founder of the well-known business in Hout Street, Cape Town, now carried on under the title of A. Cleghorn & Darroll. Mr. Alexander Cleghorn was for many years in business in Kirkcaldy, Fife, and subsequently in Edinburgh, which he had to leave for South Africa on account of his health. His son, Mr. G. R. Cleghorn, was born in Edinburgh, and obtained his first knowledge of pharmacy at his father's establishment, but left after a few months for his birthplace, where he was apprenticed to Messrs. Duncan, Flockhart & Co. Ill-health necessitated a return to the Cape, and on his recovery further experience in pharmacy was gained in Bournemouth. From there Mr. Cleghorn went to Bloomsbury Square, where a course of study ended in his passing the Minor examination in October 1902, when he had just reached his majority. He returned to Cape Town, and after a few years in the old business in Hout Street opened the present business in Castle Street on his own account in 1907. Mr. Cleghorn has been elected to the Pharmacy Board as the nominee of the Pharmaceutical Society of Cape Colony, which he joined in 1903, being elected a Councillor in February of last year. His election to the governing body is very popular in Cape retail circles, and though the youngest member of the Board in years and service, it is certain that he will give a good account of himself both as examiner and member. It is an interesting fact that his father was a member of the first Board.

Mr. G. R. Cleghorn.

Natal.

Mr. Nicholls, Messrs. Evans Sons Lescher & Webb's new South African representative, has arrived in Durban.

Botany in Poverty.—The twenty-eighth annual report of the Director (Mr. J. Medley Wood) of the Natal Botanic Gardens has just been issued. Owing to the state of the finances the report gives merely details of routine work done during the year.

Professors Wanted.—In connection with the New University College, which is being founded in Natal, the Education Department are advertising for five professors, one of whom is to fill the Chair of Physics and Chemistry. The salary offered is 600*l.* per annum.

Orange River Colony.

Mr. Alexander, of Messrs. C. E. Gardner & Co., Ltd., has returned to Bloemfontein after an enjoyable trip to the Old Country.

Science.—The seventh annual meeting of the South African Association for the Advancement of Science opened at Bloemfontein on September 27, and a large number of delegates from various parts of South Africa has arrived. A most interesting programme had been arranged.

Alleged I.D.B.—The illicit diamond-buying case (*C. & D.*, October 2, p. 532) has been withdrawn by the Attorney-General. It is the common belief that the emphatic evidence given in the defendant's favour by Mr. Carter, pharmaceutical chemist, has caused the case to be abandoned.

Colonial and Foreign News.

Italian Pharmacy Bill.—Cavaliere Carlo Giongo, President of the Union of Italian Pharmaceutical Societies, and Cavaliere Bosio, President of the Turin Pharmaceutical Society, have had an audience with the King of Italy, before whom they laid the wishes of their *confrères* with respect to the proposed reform of Italian pharmacy laws.

Congress of Pharmacy.—The International Congress of Pharmacy is to be held in Brussels in 1910, and we have received a list of adherents and the rules. Questions to be considered include international unification of analytical methods applied to medicaments, the necessity of clinical studies to pharmacists, home-made galenicals, regulation of the sale of proprietaries, the representation of pharmacists on Pharmacopœia Committees, and the formation of an international association of pharmaceutical societies. Two medals and diplomas are to be offered for the best essay on the arrangement of the pharmacy and offices. The General Secretary is Dr. A. Schamelhout, 12 rue Malibran, Brussels. The subscription is 20f. for membership, 50f. for patrons, and 10f. for associates.

Proposed Quinine Monopoly in Italy.—At the recent meeting of the Italian Superior Board of Health, among the proposed alterations was one that the supply of quinine to malaria districts be made a Government monopoly, by the State making the quinine which it supplies at cost-price. However, it was pointed out that such a course would result in considerable increase in the cost of the product, since the existing competition between manufacturers could be turned to account in purchasing the alkaloid. Further, the supply of bark is practically held by a few proprietors, who in their own interests would combine to raise the price. In spite of the objections the Board has decided to consider the question again, as the monopoly proposal has a large number of adherents.

India and the East.

(From the "C. & D." Correspondents.)

Free Quinine.—The Maharajah of Kapurthala has ordered free distribution of quinine throughout his territory, as a precautionary measure to check malaria.

The Opium Question.—The announcement has reached the "Malay Mail" that another Conference of the Powers is to be summoned to meet at The Hague to deal further with the opium question. This Conference, like the recent one at Shanghai, will be summoned at the suggestion of the United States.

The Government of India have sanctioned the award of a State Technical Scholarship to Mr. A. Kesava Menon to enable him to study in England the chemistry of soap-making and the use of native oils. The Secretary of State will arrange that the scholarship affords the necessary facilities for studying under proper supervision.

The Poisons Ordinance.—At the Penang Police Court, Mr. Chea Ching Lean, a Chinese chemist, was charged with selling cyanide of potassium to Chinamen without the support of a registered medical practitioner's prescription. It was pointed out that the cyanide is much used in counterfeiting coins, and in view of that the Government had recently passed stringent rules as to its sale. Defendant was fined $50 on each charge, with costs.

Octroi in the Punjab.—In connection with the new taxation scheme for Simla, referred to in the *C. & D.*, September 18 (p. 475), the Punjab Government is considering the question of levying octroi, with the aid of the Post Office, on postal parcels. It has been frequently observed that as long as parcels arriving by post evade octroi the incidence of this tax can never be considered entirely equitable. Cases have even occurred in which refunds of octroi have been given on articles which arrived by post and were never charged octroi in the first instance.

In "Tinland," a Kuala Lumpur paper, we find the following paragraph :

"Among the stately pile of buildings that are being erected or renovated in this town, we desire to draw attention to the 'Pharmacy Buildings' which commands one of the best sites in the place for business purposes. The 'Pharmacy' is owned by Mr. Sam Scott, one of the 'pioneer settlers' in Selangor, and we can without hesitation say that 'no better gentleman exists in Kuala Lumpur,' and among the older generation his name is a by-word. The 'Pharmacy' does a good cash business, and the requirements of its customers command the personal attention of the proprietor: there are a lot of little wrinkles in the trade and the genial owner is ever ready to give one 'gratis' to his friends."

The Murder of Mr. Clapp.—Before the Lucknow Magistrate on September 15, Corporal Allen, Middlesex Regiment, was charged with robbery and the murder of Mr. R. J. Clapp, chemist and druggist (*C. & D.*, October 9, p. 565). The case for the prosecution was that prisoner slept in deceased's room, and during the night attempted to rob deceased, who probably awoke. The murder which followed was, it is surmised, perpetrated with the object of getting rid of a witness. The prisoner, it appears, had paid a bill at Rajpore with a 50-rupee note which was paid over to the deceased about fifteen days before by the Delhi Bank, where he had cashed his cheque for his salary, and this was the chief fact upon which the prosecution relied. The case was expected to last some days.

Trade-marks in China.—No progress appears to have been made by the Central Government of China towards issuing satisfactory regulations for the registration of trade-marks. The Maritime Customs record trade-marks sent to them for that purpose, and British trade-mark owners are strongly advised (says the British Consular Assistant) to take advantage of this facility, which may prove of great use as proof of ownership when registration of marks is initiated. It is satisfactory to note that no reluctance has been shown by the local authorities at Shanghai to prohibit by proclamation the imitation of British marks, when requested to do so. Several Chinese improperly using British-owned marks have been punished at the Mixed Court with very salutary effect. Soap, cigarettes, and candles are the chief articles pirated.

Legal Reports.

High Court Cases.

Injuries from Teeth-extraction.

In the King's Bench Division, before Mr. Justice Bray and a common jury, on October 14 and 15, the case of Hawthorne *v.* the London Hygienic Institute was heard and decided. The plaintiff, a foreman baker, had been called upon by a canvasser of the London Hygienic Institute, and an agreement was entered upon under which the plaintiff agreed to pay 3*l.* 15*s.* to have his teeth completely and properly dealt with—payment to be made in weekly instalments of 7*s.* 6*d.* Plaintiff accordingly attended at the London premises in Oxford Street, where he was seen by an assistant, Mr. T. S. Mason, who extracted (it was said and disputed) twenty-two teeth and stumps at one sitting. Plaintiff's gums bled profusely even after he reached home, and it was necessary to call in a doctor, Dr. Leakey, who in evidence said that plaintiff's condition was not consistent with having had twenty-two teeth properly extracted, and he advised that a dentist should be called in. The plaintiff's mouth was much lacerated and torn. Mr. Gwyther, the dentist in question, found fourteen stumps left in the plaintiff's mouth, and he subsequently extracted these on different occasions. He was of opinion that the work on the plaintiff had been most unskilfully done.—Mr. T. S. Mason was the first witness for the defendants. He contradicted many of the statements made by plaintiff, and stated that he had extracted about 10,000 teeth a year in the nine years that he had been at the business.—Dr. T. J. Head, Dr. Lauzun Brown, and Mr. W. D. B. Pittar, registered dentist, of New Zealand, also gave evidence for the defendants.—His Lordship, in summing up the case for the jury, pointed out that it did not follow that because Mr. Mason was not a registered dentist he was not qualified to perform the work which he undertook. The jury returned a verdict for the plaintiff, with 50*l.* damages, and judgment was entered accordingly.

A Hop-ale Case.

Before Mr. Justice A. T. Lawrance and a common jury, the hearing of a case commenced on October 15 in which Thomas Paterson, ship's rigger, residing in North Woolwich, sued R. White & Sons, Ltd., aërated-water manufacturers, for damages in respect to personal injuries alleged to have been sustained through defendants' negligence. It appeared from the statements of counsel and evidence that the plaintiff's wife obtained a bottle of the defendants' hop ale from a neighbouring shop, and the plaintiff drank some, but found it tasted so nasty that he spat it out. It was subsequently ascertained that the bottle from which he drank contained a liquid from which zinc chloride was extracted in the proportion of 46 grains per pint, and plaintiff further asserted that he passed a piece of metal or zinc. He had suffered from the effects of the corrosive. For the defence it was stated that the plaintiff must have "faked" the liquid, and evidence was called to show that the manner in which the hop ale is made in defendants' factory precludes the possibility of such contamination as plaintiff alleged; further, that the zinc chloride probably came from soldering-fluid used by the plaintiff, and that the metal he passed was a piece of solder, the surface of which was not blacked through sulphide, as it would have been had it passed through him. On Tuesday, October 19, after a three-days' hearing, the jury found for the plaintiff, and assessed the damages at 300*l.*

Swan Trade-marks.

In the Chancery Division on October 20, Mr. Justice Joyce heard an appeal by Holbrooks, Ltd., from a decision of the Registrar of Trade-marks refusing to proceed with the registration of a mark in respect of pickles and vinegar. Mr. Hughes, K.C., for the applicants, stated that the device in question was the representation of a swan with the name Swann & Co., whose old-established business had been acquired by Holbrooks, Ltd. The business of Swann's had been in existence for over 100 years, and the use of this mark could be traced back to 1876. The Registrar had declined to proceed because

the name of the applicants did not appear on the mark, and that it was most desirable in the interests of the public that they should know that the goods were not the production of a private company. But the main objection was that there was already on the register a mark in respect of sauces and pickles, consisting of a swan with a boy sitting on its back holding a bottle surmounted with the name of G. & S. Bracknell. The Registrar thought that there was a close resemblance between the two marks which was calculated to lead to confusion and to deceive the public. Counsel pointed out that it would upset an alarming number of trade-marks if a limited company could not use marks used before they acquired the business without explaining that the article was made by a limited company. He also urged that there was no reasonable probability of deception. His clients were continuous users of the mark for ten years before their opponents came into the field, and he urged that as earlier users they were entitled to have the mark registered without condition or limitation.—Mr. Sargent, for the Registrar, called his Lordship's attention to cases that had been decided to the effect that in matters of this kind the Registrar had a discretion that was not to be lightly interfered with, unless that discretion had been wrongly exercised.—Mr. Younger, K.C., for the opponents (G. T. Sutton, Sons & Co., who had acquired Bracknell's business), contended that the evidence of the applicants as to continuous use and as to the extent of it was of the vaguest possible description. The opponents' mark had been described as resembling "Moses among the bulrushes," but he submitted that the essential part was a swan, and that consequently the applicants' mark was calculated to deceive.—His Lordship said that the evidence with regard to user was not very clear, but generally speaking he thought that Holbrooks or their predecessors had used the device from 1876 or 1880, which was contemporaneous with the use of the mark already on the register. The marks had been used concurrently for a considerable number of years without mistake, error, or misconception, and therefore he was bound to hold that the mark was not calculated to deceive and to order the Registrar to proceed in the regular way.

County Court Cases.

Solvent or Insolvent?

At the Southampton County Court last week, before Judge Gye, Messrs. Randall & Son, Ltd., chemists, Southampton, sued Louis Nathan Levene and L. Levene, as executors for Esther Levene, deceased, for 5*l.* 10*s.* 6*d.* for goods sold and delivered.—Mr. C. A. Emanuel, who was for the executors, mentioned that the gross estate for probate amounted to 9,815*l.* 7*s.* 6*d.*, but the freeholds and leaseholds, valued at 9,021*l.* 17*s.* 6*d.*, realised but 6,210*l.*, leaving a deficit of 3,000*l.* It seemed that one of the executors, Mr. Louis N. Levene, was a creditor under the estate for a large sum of money. He (Mr. Emanuel) did not object to judgment against the estate on the understanding that the debt would be paid when assets came into their hands.—Mr. Locke, for the plaintiffs, said the estate could pay now.—His Honour: If the unhappy facts related by Mr. Emanuel are true, you are out in the cold.—Mr. Locke said he should like to have one of the executors in the box.—Louis Levene, one of the executors, was accordingly sworn. He explained the probate of the deceased's will, and, in answer to Mr. Locke, said that he did not instruct his solicitors when he found the estate was insolvent. It was admitted that witness's brother (Mr. Louis N. Levene) had received a large sum from the estate as a creditor.—His Honour asked why this gentleman was not present, and witness replied that he was engaged on business in London.—The hearing was adjourned for the attendance of Mr. Louis N. Levene.

"Strip" for Laundries.

In the City of London Court on October 14, Messrs. Pronk, Davis & Co., wholesale chemists, 22 Harp Lane, E.C., sued Mrs. H. M. Goodgame, Verulam Laundry, 211 Putney Bridge Road, for 1*l.* 15*s.* 6*d.* for soap, marking-ink, and laundry-requisites supplied. Defendant counterclaimed for 19*l.* 15*s.* 6*d.* for damages caused to goods through using plaintiffs' materials. Mr. Nielson appeared for the plaintiffs, and Mr. P. B. Petridos for the defendant. The claim was practically admitted. Defendant's case was that the plaintiffs supplied her with a black liquid mixture called "strip," with which to remove stains and ironmould from soiled linen. She followed plaintiffs' directions, but the result was that all the clothes experimented upon were spoiled. Several of her customers had made her pay compensation for spoiling their sheets, collars, shirts, etc., and had ceased to deal with her. Plaintiffs' marking-ink when used ran and spoiled many collars.—Mr. W. J. Cannon, F.C.S., 16 Devonshire Square, said he found that the plaintiffs' "strip" contained a very large quantity of sulphate of iron and 18 per cent. of sulphuric acid, loosely combined. Such chemicals were most dangerous and decidedly deleterious to linen goods. Stains used to be removed from linen by stannous chloride or oxalic acid. Sulphuric acid was a retrograde step.—For the defence to the counterclaim, William Shone, in the plaintiffs' service, said that the "strip" had been used for many years in removing stains and colours, and had given universal satisfaction. Defendant must have used the marking-ink on wet collars, and so made it run. If the defendant had followed the instructions for using the "strip," none of the goods would have been damaged. Several laundry proprietors also stated in evidence that they had used the "strip" for years and never known it damage any articles. Defendant must have misused it.—Judge Lumley Smith, K.C., said it was not necessary for him to decide whether the "strip" was good or not, but on the facts he found for the plaintiffs for 1*l.* 7*s.* 6*d.* on the claim, without costs, and for the defendant for 19*l.* 15*s.* 6*d.* on the counterclaim, with costs on the higher scale because of the importance of the case. Plaintiffs' man evidently mixed the "strip" improperly when he called upon the defendant, but they were responsible for it.

Pharmacy Act, 1868.

Section 17 Offence.

Mr. A. T. Reoch, chemist and druggist, Brook Street, Dundee, was charged at Dundee Sheriff Court on October 20 with having sold poison without observing the regulations of Section 17. A fine of 10*s.* was imposed by Sheriff Campbell Smith.

Bankruptcy Report.

Re Edwin Walkden, 129 Ferham Road, Rotherham, Chemist and Druggist.—This debtor was examined at Sheffield Bankruptcy Court on October 14, on accounts showing gross liabilities 126*l.* 4*s.* 9*d.*, and assets valued at 25*l.* 1*s.* 6*d.* He stated that he commenced business in June 1907 with a capital of 100*l.*, and disposed of the business last July to Mr. Wilkinson for 145*l.* At that time he was being pressed by creditors, and knew that he was not able to pay his debtors in full. He continued to manage the business for Mr. Wilkinson for three weeks. Out of the purchase-money he paid his mother-in-law 10*l.*, and about a week later he sent notices to his creditors offering them 10*s.* in the pound. This was refused. He also paid about 50*l.* to Coverdales, from whom he purchased the business, as they would not give up the lease of the premises. He attributed his failure to sickness, high rent and rates, and bad trade. The examination was closed.

Gazette.

Partnerships Dissolved.

Hague, H., and Naylor, G., chemists, etc., Blackpool, under the style of Hague & Naylor.

Mawby, F. W., and Martin, J. F. G., general medical practitioners, Littleport, Cambs, under the style of Mawby & Martin.

Pinkerton, J., doctor of medicine, and Robinson, B. H., M.R.C.S., L.R.C.P., Birkenhead

The Bankruptcy Acts, 1883 and 1890.

Receiving Order.

Garnett, John B. (trading as Thomas's Drug-stores), Upper Street, Islington, London, N., chemist and druggist.

Adjudication.

Capocci, Biagio (carrying on business under the style of West Cliff Mineral-water Works), Bournemouth, mineral-water manufacturer.

New Companies and Company News.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O., Registered Office.

Mossley Oil Co., Ltd. (P.C.).—Capital 2,000*l.*, in 1*l.* shares. Objects: To take over the business of an oil-merchant carried on at Mossley Bottoms, Ches. R.O., Audley Street, Mossley.

Tansan Syndicate, Ltd. (P.C.).—Capital 2,000*l.* Objects: To acquire the sole right of importation of the Japanese mineral water known as "Tansan." R.O., 5 London Wall, E.C.

Bipsine, Ltd.—Capital 200,000*l.* Objects: To carry on the business of manufacturers of and dealers in Bipsine compound, Bipsine baking-powder, invalid and infants' foods, etc. The first directors are H. Laing, T. W. Drinkwater, R. Fraser, J. B. Neville, and A. McIntosh, all of Edinburgh.

Ernest E. Mayer & Co., Ltd. (P.C.).—Capital 15,000*l.*, in 1*l.* shares (14,200 5-per-cent. cumulative preference). Objects: To take over the business of Ernest E. Mayer & Co., wax, oil, soap, and chemical merchants, 6 Lloyd's Avenue, E.C. The first directors are E. E. Mayer, A. Mohl, and J. P. Davies.

Brooks' Stores, Ltd. (P.C.).—Capital 500*l.*, in 1*l.* shares. Objects: To take over the business of a chemist and druggist and patent-medicine vendor carried on by W. J. Ward at High Street, Conisborough, Yorks. The first directors are J. Brocklesby (managing director) and G. Brocklesby.

John Bentley & Son (Horsforth), Ltd. (P.C.).—Capital 3,000*l.*, in 1*l.* shares. Objects: To take over the business of John Bentley & Son, Station Soap-works, Horsforth, Yorks. The first directors are J. W. Bentley and J. Stephenson. Remuneration 204*l.* per annum divisible. R.O., Station Soap-works, Horsforth, near Leeds.

Caergwrle Wells Natural Mineral-water Co., Ltd. (P.C.).—Capital 10,000*l.*, in 1*l.* shares. Objects: To enter into a contract with G. Bates and others for the acquisition of a lease of certain land and mineral-water springs, business and trade connection at Caergwrle, Flint, and to carry on the business of manufacturers and bottlers of mineral waters and non-intoxicating beverages. The first directors are G. Bate, J. Williams, and H. Brown.

New England Improved Ozonator Co., Ltd.—The title of this private company was incorrectly given last week (p. 602).

Camphor, Ltd.—Claims to be sent in on or before November 12 to Mr. C. E. Smedley, Whitehall House, 29 Charing Cross, London, S.W.

Greenock Chemical Co., Ltd.—It has been resolved to wind-up this company voluntarily, and Mr. R. A. Clapperton-Stewart, C.A., 2 Church Place, Greenock, has been appointed liquidator.

A. & F. Pears, Ltd.—The report for the year ended June 30 last, to be presented at the meeting on October 27, states that the net profit for the year ended June 30, 1909 (after carrying 1,188*l.* 2*s.* to depreciation fund), was 57,576*l.*, making, with 9,835*l.* carried forward from 1907-8, a total of 67,412*l.* Deducting debenture interest and interim dividends on preference and ordinary shares, amounting together to 28,800*l.*, there remains a balance of 38,612*l.* The directors recommend the payment of a dividend for the half-year ended June 30, at the rate of 6 per cent. per annum on the 20,000 cumulative preference shares, and the payment of a dividend for the half-year ended June 30, at the rate of 12 per cent. per annum on the 320,000 ordinary shares, making 10 per cent. for the year, and carrying forward 13,412*l.* The trade has considerably increased during the financial year, and consequently larger profits would have been achieved but for increased expenses and the continued enhanced cost of raw material. The directors regret to have to record the loss which the company has sustained by the death of their esteemed colleague, Mr. Andrew Pears. They announce that Mr. Joseph Beecham, of St. Helens, fills the vacant seat at the board.

Mortgages and Charges.—The following particulars have been filed: *T. Knight & Co., Ltd.* Particulars of 1,000*l.* debentures now issued.—*W. Everitt, Ltd.* Particulars of 1,000*l.* debentures created September 25, 1909; present issue 575*l.*—*Samuel Banner & Co., Ltd.* A memorandum of satisfaction of debentures to the extent of 400*l.*—*Macdonald Dental and Medical Co., Ltd.* Memoranda of satisfaction in full of debentures securing 1,000*l.* and 2,000*l.*

Company Receivers Appointed.—*Lady Blount's Medical Aid Society, Ltd.* H. Wilson, Essex Street, Strand, W.C.—*T. Smith & Sons, Ltd.* H. Gomersall, Lichfield Street, Wolverhampton.

Births.

Akeroyd.—At 30 Harbour Street, Ramsgate, on October 14, the wife of George Ira Akeroyd, chemist and druggist, of a son.

Brown.—At 11a Salisbury Road, Edinburgh, on October 19, the wife of E. J. Brown, Ph.C., of a daughter.

Marriage.

Evans—Buckwell.—At St. Mary's Church, Jeppes, Johannesburg, on October 9, Edward Nevett, eldest son of Sir Edward Evans, 56 Hanover Street, Liverpool, and Spital Old Hall, Cheshire, to Beatrice Adah, second daughter of the Rev. Leighton Buckwell, Vicar of Newington, Folkestone.

Deaths.

Barker.—At Perry Bar, Birmingham, on October 9, Mr. Thomas Barker, chemist and druggist, aged eighty-three.

Crick.—At Maldon (Essex), on October 12, Mr. Crawford Edward Crick, aged twenty-two. Deceased, who was studying at the South of England College of Pharmacy, London, S.W., formerly acted as dispenser to Dr. H. J. Price, of Maldon.

Freeland.—At Brier Cottage, Bathgate, on Octotber 13, Agnes Bodys, widow of Mr. John Freeland, chemist, aged seventy-one.

Furniss.—At 113 Rocky Lane, Liverpool, on October 2, Mr. Thomas Furniss, chemist and druggist, aged sixty.

Glen.—At 32 Bell Street, Renfrew, on October 16, Jane McLaren, widow of Mr. James Glen, chemist and druggist, Renfrew.

Mee.—On October 17, Mr. L. G. Mee, formerly South and West of England representative of Messrs. Willows, Francis, Butler & Thompson, Ltd., aged fifty-seven. Mr. Mee retired from active service some eighteen months ago.

Recent Wills.

The dates in parentheses refer to the issues of "The Chemist and Druggist" in which the deaths of the testators were reported.

Mr. Robert Brown Huggins, Wainfleet All Saints, chemist and druggist, left estate valued at 3,339*l.* 1*s.* 9*d.* gross, of which 1,136*l.* 4*s.* 4*d.* is net personalty. (*C. & D.*, September 11, p. 431.)

Mr. Robert Lansdale Pickup, Ash Lea, Montague Road, Sale, chemist and druggist, left estate of the gross value of 6,075*l.* 1*s.* 7*d.*, of which the net personalty has been sworn at 4,320*l.* 16*s.* 1*d.* (*C. & D.*, September 11, p. 431.)

Business Changes.

Properly authenticated business notices (not being advertisements) are inserted in this section free of charge if promptly communicated to the Editor.

Mr. W. J. Ward, chemist and druggist, High Street, Conisborough, has sold his business to the Brooks Drug-stores, Ltd.

Mr. J. P. Craine, chemist and druggist (formerly with Boots, Ltd.), has acquired the business of the late Mr. A. Thomson, chemist and druggist, Northgate Pharmacy, 71 Northgate Street, Chester.

Suicide of an Apothecary.—The self-inflicted death is reported from Königshütte of Dr. Hans Schmidt, of Blankenburg. The cause of the tragedy is said to be the inability of the deceased to raise the fee of 500*l.* for the first instalment in the concession of the Hohenzollern Pharmacy.

Personalities.

Mr. J. H. Collins, pharmacist, Mansfield, is to be the next Mayor of the town.

Mr. R. Gledhill, chemist and druggist, 61 Westgate, Dewsbury, has been elected president of the local tradesmen's association.

Heer van Leersum on July 27 completed the twenty-fifth year of his Directorate of the Government cinchona-plantations in Java.

Mr. E. Schmidt, of Messrs. Holzmuller & Schmidt, Paris and Calcutta, sailed by the s.s. *Prinz Ludwig* on October 21 for Colombo.

Mr. C. R. Stevens, managing director of the Sheppey Glue and Chemical Co., Ltd., Queenborough, has been invited to retain the Mayoralty of Queenborough for a third year.

Alderman A. Sidney Campkin, chemist and druggist, and Mr. Richard Sturton, chemist and druggist, 8 Fitzroy Street, Cambridge, have been appointed Justices to exercise the powers conferred by the Lunacy Act, 1890.

Mr. Richard Scruton, J.P., of York, was at a dinner of the staff of Messrs. Raimes & Co., York, on October 19, presented with a silver salver bearing the following inscription :

> Presented to Samuel Scruton, Esq., J.P., by the members of the firm and staff of Raimes & Co., York, to commemorate the fiftieth anniversary of his connection with, and for many years past as principal of, that firm. September 12, 1909.

The Hon. Neil Primrose, in the course of a public speech, recently stigmatised Mr. R. Winfrey, M.P., as a "snake in the grass" and "a traitor to the Liberal cause." Mr. Winfrey has replied in a lengthy letter which concludes thus :

> "This, then, is the half-baked kind of Liberalism the Wisbech Division is apparently committed to, and because I dare to utter the mildest protest I am dubbed a traitor by a young man who has been brought up in the purple, and never been called upon to do an honest day's work in his life."

Trade Notes.

Mysantal Tooth-brushes are being vigorously pushed by the Mysantal Co., 55 Berners Street, London, W. The novel form of the brush is shown in the company's advertisement.

Merck's Annual Report.—We are asked to state that the demand for this has been very large, and that, in consequence, a little delay may result in despatching the copies. Will those chemists who have written for the report kindly note this ?

Petroleum Products.—Schliemann's Oil and Ceresine Co., Ltd., 23 Leadenhall Street, London, E.C., offer samples and quotations for petroleum jellies, oils, and waxes. The company are actual manufacturers of these products.

Tesco Soap is the latest production of the Erasmic Co., Ltd., Warrington. Tesco is a white medicated soap in square tablets, with a pleasant, not too pronounced, odour, which should attract the best class of a chemist's customers. The soap sells at 3½*d.* per tablet, or 10*d.* the box of three tablets, and is nicely packed in green-and-gold wrappers and box.

Bovril, Ltd., has a new showcard, 3 ft. high, which represents a doctor greeting his erstwhile patient, a pretty and stylishly-dressed young lady, and complimenting her on her improved appearance. The lady replies that she has followed the doctor's advice and takes Bovril. Copies of the card can be obtained by chemists from 152-166 Old Street, London, E.C.

Shaving Requisites.—The International Distributing Co., Ltd., 2 and 3 Stonecutter Street, London, E.C., advertise in this issue three articles which are used by shavers : (1) the Berset shaving-brushes, (2) the Berset shaving-cream soap, and (3) the "Ever-Ready" safety razor. The company offer to send their catalogue and price-list to any chemist who applies.

Wigmore Dispensing-balance.—Those who receive the monthly list of altered prices issued by Messrs. Allen & Hanburys, Ltd., Bethnal Green, London, E., will have noticed on the cover particulars regarding the Wigmore dispensing-balance, which meets perfectly the Board of Trade regulations regarding beam-scales. The balance is priced at 30*s.*, included being a set of grain and drachm weights.

Messrs. Southall Bros. & Barclay, Ltd., of Birmingham, in offering dispensing-scales which conform to the regulations, also intimate that they adjust old scales, and make some reasonable remarks on this subject.

High-standard Eucalyptus Oil.—The Tasmanian Eucalyptus Oil Co., Carlton Works, Asylum Road, Peckham, London, S.E., have a good stock of high-quality eucalyptus oil at present. A sample which they submit to us contains 82 per cent. of eucalyptol, and represents the distillate at the season when the maximum of eucalyptol is yielded. As the distilling season goes on the oil contains less and less eucalyptol ; hence the importance of buying now when this high-standard oil is obtainable. It has a fine odour, too, and the company are offering parcels this week such as retailers can order direct.

New Season's Dandelion-root.—The wet weather which has been experienced this year has been favourable to the development of dandelion-root, and some samples grown or dried by Messrs. Stafford Allen & Sons, Ltd., 7 Cowper Street, Finsbury, London, E.C., which we have seen this week, are the nicest we have examined for some years. The fracture is very white, and the root is seen to be sound throughout. The English root is much bolder than the foreign, and is dried under the best possible conditions. The extract from the fresh roots is of that nice golden colour which indicates care in preparation. Wholesale buyers should obtain samples from Messrs. Stafford Allen & Sons, the prices being very reasonable owing to the plentiful supply.

Bulgarian Health Chocolate Creams.—The Standard Tablet & Pill Co., Hove, have sent us a sample box of these chocolate creams, which contain a concentrated culture of the bacillus isolated by Massol from Bulgarian Yahomth. The idea of incorporating these bacilli in chocolate cream is a brilliant one, the desiccation of the bacilli being avoided whilst the sugar needed as a medium for the production of lactic acid is supplied at the same time. The chocolate creams retail at 1*s.* 9*d.* per box. To assist the sale the company supply showcards which tell briefly the purpose of the creams. Compared with the trouble involved in preparing soured milk by the ordinary process, the presentation of the ferment in this form is an advance, and places the treatment with lactic-acid bacilli on a popular basis. Chemists would do well to bring the creams to the notice of local medical men and the intelligent portion of the public who can appreciate the significance of the treatment.

Jecovol, an egg-emulsion of cod-liver oil with hypophosphites, which has just been introduced by Messrs. James Woolley, Sons & Co., Ltd., Manchester, has been submitted for our examination. It is put up in deep amber bottles with a neat label printed in brown ink, each bottle holding half a pint and selling at the protected price of 2*s.* Jecovol contains 50 per cent. of cod-liver oil, and has a pleasant spicy flavour which is not likely to pall on the palate. It is being brought under the notice of the medical profession, and chemists may expect to receive inquiries from patients for whom Jecovol has been ordered. When commenting upon this preparation in reporting on the Medical Exhibition, we inadvertently printed the name as "Jevocol" instead of Jecovol. The title is as happy an example of word creation as the preparation is of elegant pharmacy.

The Fairchild Trustees.

THE group of British pharmacists who carry out from year to year the administration of the Fairchild Scholarship and Prizes were faithfully portrayed on the *menu* card of a dinner which Mr. Samuel W. Fairchild, of New York, gave in their honour at the Hyde Park Hotel, London, on the evening of October 14. Our reproduction of the group is tiny compared with the original (a fine example of Dempsey & Caroll photogravure), but it

is possible to recognise the portraits—Mr. Peter Boa (Scotland), Mr. A. Hagon (Wales), Messrs. W. Kirkby, A. J. Phillips, and A. E. Holden (England), and Mr. W. F. Wells (Ireland). The company invited to meet them consisted of Professor A. W. Crossley, Mr. Fred M. Fisk, Professor H. G. Greenish, Mr. James Grier, Mr. J. F. Harrington (Pres. P.S.G.B.), Mr. John Humphrey, Mr. T. H. W. Idris, M.P., Mr. Peter MacEwan, Mr. E. Saville Peck (Sec. B.P.C.), Dr. F. B. Power, Alderman R. A. Robinson, Mr. John Smith (Pres. P.S.I.), and Mr. W. P. Want. Mr. Fairchild had come expressly from New York to give the dinner, which was served in the round room of the hotel overlooking Hyde Park, and, as on a similar occasion five years ago, the feast was Arthurian in so far as it was served on a round table, which, however, was decorated with flowers that King Arthur and his hundred Knights knew not of. There were many and fine varieties of the orchid *Cattleya Mendelii* in a carpet of *Odontoglossum crispum*, sprayed in the yellow and black-dotted blossoms of *Oncidium varicosum*. The alcoves of the room were filled with Sunset roses, Catherine Mermet roses, and Frau Druski's; pink and white lilies peeped out here and there; and the electric lights seemed to grow from graceful palms—*Cocos flexuosa* and *Bambusa variegata*. After a dinner which was as refined as the flowers and the music from the zither-players, "The King" was toasted by Mr. Fairchild, and Alderman Robinson capped it with "The President of the United States." "British Pharmacy" was then given by Mr. Fairchild in a brief speech appreciative of the efforts of our Pharmaceutical Societies in furthering the interests of pharmacy in its educational and professional aspects, and of the Pharmaceutical Conference's services to practical pharmacy. To this Mr. Harrington, Mr. Smith, and Mr. Peck replied, each speaking of the service which the Scholarship competition has been to the young pharmacists of the Principality and the three Kingdoms. Mr. Idris then submitted "Pharmaceutical Education," recalling some incidents of his first acquaintance with the host when he visited New York about twenty years ago. Professor Greenish, as Dean of the School of Pharmacy, was the first to reply, and he spoke on pre-qualification studies; while Dr. Power followed (no doubt as a researcher) on post-graduate studies. He was in the Junior class of the Philadelphia College of Pharmacy when Mr. Fairchild was in the Senior—passing out by graduation to begin with his brother, Mr. B. T. Fairchild, that venture in pure retail pharmacy—"no soda-fountain, cigars, or stationery," which has since become a principle in American pharmacy, although not all-pervading. "The health of the Trustees" was the next toast, and was given by Mr. Fairchild, who thanked all for their friendly and painstaking work towards making the scheme one of service to young pharmacists in Great Britain and Ireland, whether or not they gain scholarship or prize. Mr. Fairchild is young enough to recall his own difficulties as a student, and he said the trustees were doing a work which merited this acknowledgment. Mr. Boa, the first to reply, stated that he had observed a marked improvement year by year in the examination-papers. He also considered that the Fairchild Scholarship fills a gap by providing complete education and maintenance for young men who without it might have to wait long before they could qualify. Mr. Kirkby in his reply referred to the fact that since the last dinner Mr. Fairchild's Alma Mater had conferred on him the degree of Pharmaciæ Magister. As Secretary to the Trustees Mr. Holden furnished interesting statistics of the scheme since its inception, in which, he said, the late W. Watson-Will and John W. Bowen assisted. Since the inauguration dinner in May 1905 five examinations have been held, and 264 candidates have entered, of whom 226 sat, England furnishing 147, Ireland 22, Scotland 37, and Wales 20. Besides, 200 apprentices interested themselves in the matter, and many of them would have entered had they been able to fulfil the preliminary conditions. The Scholarship has gone to a student in England on two occasions (1905 and 1907), Ireland won in 1906, Scotland in 1908, and this year Wales completed the cycle. The students to whom the prizes were awarded in each year reached a stage of excellence not far removed from that attained by the Scholars, and sometimes papers of high distinction were written by students to whom neither Scholarship or Prize was awarded. Indeed one lady candidate wrote that although she was unsuccessful in gaining one of the Prizes, the examination had been of great service to her in showing her where her weak points were, and she passed the Minor immediately after without going to college at all. The only other toast was that of "The Host," which was given by Mr. Wells in an eloquent speech; and Mr. Fairchild, in acknowledging, expressed regret that Mr. Hagon and Mr. Phillips were unable to be present owing to illnesses in their families. Letters of regret had also been received from Dr. John Attfield and Mr. R. Winfrey, M.P. We may add that Mr. Arthur Strugnell and Miss Evelyn Vernham contributed to the pleasure of the occasion by their songs, and each guest carried away with him a cigarette-case and vesta-case as a souvenir. Mr. Fairchild sailed for New York two days later.

Scientific Progress.

Temperatures under this heading are on the Centigrade scale.

Ferments of Drugs.—Dr. Max Winckel, of Munich, points out that the action of ferments on the glucosidal bodies plays an important *rôle* during the drying and storage of plants. By a preliminary heating to destroy these ferments their action is removed. This process is utilised in the manufacture of "Robst"—fresh fruits (apples or grapes) which retain their full natural qualities—because the fermentative process cannot take place. Further successful experiments on similar lines have been made with digitalis and ergot. In the case of vanilla the author found that on destroying the ferment contained in the fruit the characteristic surface crystallisation of vanillin did not take place.

The White Cross Congress.

Held in Paris this Week.

AFTER the inaugural reception of the foreign delegates and members on Sunday afternoon the Sections of the second International Congress for the Suppression of Fraud in Food and Drugs settled down to earnest work in the chambers and halls of the Faculty of Medicine, a handsome and spacious building having a frontage on the Boulevard St-Germain, and an entrance on the Rue de

Where the Congress Met.

l'Ecole de Médecine. In the entrance court is the monument to Professor Brouardel, Chairman of the last Pharmaceutical Codex Revision Committee. The various rooms are plainly indicated by temporary inscriptions, the Professors' room being the "Press Room," and so on. All these little points which make for the efficiency of a Congress, from a plan of the premises to a complete illustrated programme of the excursions and social side of the Congress, have been organised in a systematic manner, in which one recognises the conspicuous talent of the President of the Congress, Dr. Bordas. The twenty-three flags which waved over the entrance of the building symbolised the number of nationalities represented at the opening meeting, which was held in the amphitheatre of the Ecole Pratique. Numerous French officials and delegates of official bodies figured on the platform along with the officers of the Congress. Dr. F. Bordas is Principal of the laboratories of the Ministry of Finance. A man gifted as an administrator as well as an analyst, a genial giant of hearty physique and a comparatively youthful aspect, which some folks do not at first associate with his high scientific attainments and official position, Dr. Bordas wears the red rosette of an Officer of the Legion of Honour, which itself stamps him as a man of high rank. M. Vuille, President of the White Cross Society of Geneva, opened the proceedings, briefly alluding to the circumstances which had led up to the present gathering. He also thanked the French Premier and Ministers for their official patronage, and the various Governments represented for their support. He referred to the Saccharine Congress, and mentioned that an International Official Committee will probably meet in Paris next month. The White Cross Society was represented at the Chemistry Congress in London last May by Dr. Bordas, then actual President. M. Vuille hoped that the international action which had effected such remarkable results with regard to the Red Cross organisation, the Postal Union, copyright, and trade-marks would now be extended to the protection of pure aliments. M. Ruau, the Minister of Agriculture, after acknowledging the cordial reception accorded to him at Geneva last year, sketched in broad and eloquent fashion the objects of the Congress, and claimed for the French Anti-Adulteration Act of 1905 the first idea of uniting the efforts of traders and manufacturers with "the impartial guardians of scientific truth" for the protection of the consumer. In addition to MM. Muntz, Guignard, and Landouzy, whose names alone were a veritable programme, they had, he added, his friend Professor Bordas, M. Roux (always first in the breach), and M. Franche, as well as a galaxy of foreign *savants*. He was firmly convinced that the "Codex Alimentarius," which would be the result of the labours of the Congress, would form alike the code of the international hygienist and of international honest commerce and manufacture. Certain Courts had already quoted the text of Genevan decisions in giving judgment in disputed cases, and he hoped that in future all nations would base their regulations on the code of purity thus established. Just as the Red Cross of Geneva protected the wounded of all nations on the field of battle, the White Cross would protect the consumer and honest dealer in every country.

Dr. Bordas.

Dr. Bordas then delivered his

Inaugural Address.

In the course of this he stated that the Geneva Congress had found it impossible to complete the first portion of its work, so that the present Congress had, before proceeding further, to examine the operations necessary for the preparation of chemically pure aliments, and to establish the definition of crude drugs and chemicals, etc. When this was done they would ask their friends the doctors and hygienists to join them in studying a series of questions. But before going further he gave some indispensable explanations regarding drugs and chemicals. Through a misunderstanding, caused by the title chosen for the first Congress, the "Pharmaceutical Products" Section (as it was then called) was not able to meet during the Geneva sessions. There was an impression that compound medicaments (of which the preparation and characteristics are described in the Pharmacopœias of different countries) were to be studied and defined, whereas the idea of the organisers of the first Congress was simply to draw up definitions of commercially pure chemicals and of raw vegetable and animal substances used in the drug-trade. The French delegation alone having drawn up a complete list of this kind, the meeting unanimously decided to postpone the discussion to the next Congress, and voted the following resolution, drafted by Professor Perrot, Professor of Materia Medica at the Paris Superior School of Pharmacy:

(1) The White Cross Bureau, in view of the large number of products to be examined, shall immediately draw up a list of crude drugs and chemicals, of which the definition shall be discussed and adopted at the next Congress.

(2) The work of this Section shall be strictly limited to crude drugs and drug-trade chemicals, to the exclusion of compound medicaments of which the preparation and sale is regulated by the pharmacy laws of each country.

(3) That in drawing up the list in question the work already done by the French delegation shall be taken into account, and the products therein named shall in any case figure on the list.

(4) That, to avoid further misunderstanding, the matter shall be duly notified to the groups of the various nations interested which are to co-operate in the work of the International White Cross Congress.

Finally, the Geneva Congress decided to substitute the expression "Crude Drugs and Chemicals" for "Pharmaceutical Products."

The Directing Committee of the White Cross having approved these resolutions, M. Bolo was instructed to bring the matter before the Bureau of the second Congress to enable the list and definitions to be drawn up as early as possible. M. Guignard, President, and MM. Perrot and Grimbert, Vice-Presidents of the Drugs and Chemicals Section, were asked last year to meet and draft the list and make it known as far as possible. Thanks to the energy of Professor Perrot and his collaborators, the work was terminated, not only in time to be printed in French, but also to be translated into English and German, and thus distributed abroad. "So much for the Crude Drugs

and Chemical Section," concluded Dr. Bordas. "Now, how are we going to clear off in these few meetings our back work and face the new necessities of our Paris programme? The problem is by no means an easy one to solve." The remedy seemed to be to count on the methodical and hearty aid of trade associations. The French delegation therefore invited them to join in the work of drafting a uniform and precisely worded formulary as a base to be respected in all discussions. The principle that the definitions adopted at Geneva should be in no case re-discussed was formally laid down by the White Cross Committee of Direction and accepted by the Parisian organisers. Such definitions might, however, in exceptional cases be completed, provided the additions should not modify their general sense and purport. This decided, each group was invited to study accurately the various operations considered indispensable for the preparation of chemically pure aliments. Those which did not appear indispensable, but to which it seems necessary to draw the attention of consumers, were subsequently classed as "permissible (facultative) operations." Finally, all desiderata not coming under these two heads were noted in the form of resolutions. These projects were communicated by the Paris Association to provincial bodies. The reports of the French delegations already distributed, mostly drawn up by chairmen of trade associations, give the tangible results of this work. Naturally, agreement was not always arrived at; discussion was sometimes keenest on minor points. In such cases Dr. Bordas and his colleagues acted as peacemakers. He mentioned these details, not only to illustrate some of their difficulties, but also to claim indulgence should all not be as complete and satisfactory as could be wished. When this was completed the organisers found their work had but begun. An office had to be organised in each foreign country and induced to make a similar effort. Here, as a rule, the link of the trade association was lacking, and the organisation adopted in France was consequently impossible. But French documents were translated into German and English and distributed as specimens of the objects and methods of the Congress. Then, once the French and foreign delegations had handed in their documents, a summary had to be drawn up. This was done by M. Xavier Rocques for the alimentary portion, and by M. Fayolle for drugs, chemicals, essential oils, and mineral waters. Having thus explained methods, etc., Dr. Bordas begged the congressists not to lose a moment of the short time at their disposal. All necessary details were in their hands in printed form. The only counsel he would allow himself to give was to be as brief in debate as possible. This would be the only way to exhaust the long notice-paper on dispensing. "Our task is terminated," concluded Dr. Bordas; "yours now begins." Turning to M. Ruau, he expressed in a few well-chosen phrases the thanks of the French delegation for the Minister's personal presence and patronage. The official delegates of various Governments having mutually complimented their French hosts and one another, the congressists flocked out into the fresh, summer-like air outside, to prepare for work on the following morning.

Section III.

The Amphitheatre of Pharmacology, where the Third Section (drugs, chemicals, essential oils, and mineral waters) meets, is a spacious lecture-theatre capable of seating some 200 persons. It is interesting as being the special domain of Professor Gabriel Pouchet, who, it will be remembered, sat on the last Pharmaceutical Codex Revision Committee. It dates, like all this the most modern portion of the Faculty, from 1900. The oldest portion of the establishment is the Musée Dupuytren, the anatomical museum on the other side of the Rue de l'Ecole de Médecine, which is the old chapel of the Convent of Cordeliers, where met the famous club which played such an important part in the great French Revolution. All this part of Paris is full of such souvenirs: only a few score yards away is the house where Camille Desmoulins was arrested; Danton's house (which has now disappeared) was near where his statue stands to-day. M. Guignard, Director of the Ecole de Pharmacie, Paris, is President of the Section.

The first meeting of the Section was held on Tuesday morning and was devoted to the consideration of the definition of

Mineral Waters

drawn up by the Congress at Geneva last year. The chair was taken soon after 9 A.M. by M. Ed. Bonjean, head of the laboratory of the Superior Council of Public Hygiene, when

M. Guignard.

seventy to eighty members were present. A keen and sometimes almost stormy discussion took place. The Geneva definition was that

> A natural mineral water is from a commercial point of view, that which at its place of origin, such as it bursts forth from the ground, is directly placed in the same receptacles in which it is delivered to the consumer.

Watertight canalisation, mechanical pumping, storage in closed tanks for springs of feeble yield, were admitted; but all manipulations, it was specified, should be stated on the label. It was known that these definitions were freely criticised in some quarters, and that these complaints would not fail to find expression at the Paris Congress. At Tuesday's gathering the bulk of those present appeared to be members of the French mineral-water trade, with a sprinkling of pharmacists, including M. Vaudin, President of the General Association, and his colleagues, M. Collard and M. Crinon. Professor Perrot, of the Paris School of Pharmacy, who has been in charge of the Crude-drug Section, followed the discussion closely, and ever and anon replying, as the advocate of scientific purity, to the criticisms of the trade element, while Professors Grimbert and Moureu "sat up aloft," silent and attentive witnesses of their colleagues' combat with commercialism. M. Crinon, jun., then rose to support a resolution inscribed on the blackboard while the mineral-water debate still raged in favour of extending this prohibition of the undue assumption of the names of springs to the salts and by-products. The meeting seemed distinctly in his favour, but the Chairman declined to take a vote on the subject. Resolutions could be proposed, he held, but if not on the notice-paper could not be debated or voted upon. A murmur of protest greeted the announcement, but M. Bonjean, tapping a pile of papers deliberately with his pencil, insisted that they had still much to do and the clock hands were approaching the midday hour sacred to *déjeuner* in France. Half his hearers rose to their feet, and a dozen were speaking at once, and M. Collard profited by a moment's comparative silence to make a last appeal to the chair. The discussion was becoming heated. The definition of "natural mineral water," as drawn up at Geneva, was finally carried by a majority, after the words "except from harmful germs" had been added. Complete definitions were passed as follows:

> A natural mineral-water is, from a commercial point of view, that which at its place of origin, such as it bursts

forth from the ground, is directly placed in the same receptacles in which it is delivered to the consumer free from harmful germs.

Mineral water is the non-contaminated natural water proposed for consumption on account of its special therapeutic or hygienic properties.

The term "table water" is exclusively applied to natural waters.

The terms "gaseous or aërated mineral water" or "gaseous or aërated water" imply a natural mineral water.

The question of bottling, etc., then came under discussion. The Geneva decision—

> The work of collecting mineral water should in no case alter the composition of such water: water-tight canalisation, mechanical lifting, storage in hermetically closed tanks put up over springs of a feeble yield, do not change the natural character of the water—

was not, the Chairman held, open to discussion, and the subsequent paragraph—

> All manipulations must be visibly indicated upon the label fixed to the receptacle containing the water such as it is delivered to the consumer—

was carried *nem. con.*, and so the matter went on.

Another lively discussion, in which M. Crinon, Schamelhout, Lavalle, etc., took part, preceded the adoption of the following important resolution :

> Any water not answering to the definitions of natural water or mineral water, or having been manipulated otherwise than as above indicated, should be termed "artificial." Water, however, into which carbonic anhydrid has been introduced under pressure, but which has not been otherwise manipulated, may be described as "seltzer water."

After waters in barrels and carboys were disposed of, the following resolutions were carried *nem. con.* :

1. That the title "mineral water" be reserved to natural waters officially recognised as possessing therapeutic properties.
2. That it be forbidden to give natural water, natural mineral water, or artificial water, the name of a pre-existing spring or of a locality known for its springs.
3. That the same natural water or natural mineral water shall not be delivered to the consumer under two different names.

The following definitions were also voted, after some remarks by M. Schamelhoat :

4. That artificial waters shall be sold in recipients of special form, like syphons, that the said recipients shall necessarily have a label bearing the words "artificial waters," followed by an indication of the manipulations to which the water has been subject.
5. That seltzer water may only be prepared with sterilised water or pure water and commercially pure carbonic acid.

The purity of ice was discussed on Tuesday afternoon, and Wednesday morning was devoted to

Essential Oils.

Some forty or forty-five persons were present, few of whom appeared to be retail pharmacists, and the proceedings had the calm repose of a purely scientific discussion. M. Perrot, who presided (supported by Professor Armand Gautier and M. Fayolle), adopted a systematic and business-like fashion of dealing with the long notice-paper. The Geneva decisions, printed in full in the green-covered French programme which has been so freely distributed, was read out by M. Fayolle, oil of copaiba being the first monograph read, and on this a very detailed contribution by Messrs. Schimmel & Co., presented by the German delegation, was then read. M. Perrot then called in rotation on any members who wished to present any observation. These being given, he next consulted M. Pillet (President of the French Essential Oil Manufacturers' Association), who was specially installed at a small table facing the Presidential fauteuils, to give his opinion, after which a vote was taken. This system was followed in regard to each oil.

Some Papers.

The interesting feature of these Congresses is thus to see theoretical and practical men of different nations brought into contact. The essentially international character of the Congress may be briefly indicated by the list of papers already submitted. A few titles were given last week, and the following were distributed on the opening day :

"The Question of Substitution," by Dr. A. Corsini, of Florence (Italy).

"The Synthetic Colouring of Foodstuffs," by Professor Lavalle, of Buenos Ayres.

"The Colouring of Foodstuffs," by Dr. Muttelet, of the Central Laboratory, Paris.

"Essences and Extracts of Fruits," by M. Schwarr (Belgium).

"Cocoa and Chocolate" (British Definition), by Messrs. James Epps & Co., Ltd., London.

"Essential Oils," (1) by M. A. Jonas Hanart, Chairman of the Brussels Essential Oil Trade Association; (2) by Schimmel & Co., Miltitz, Leipzig.

"Bicarbonate of Soda, Caustic Soda, etc.," by the French Chemical Manufactures Trade Association.

"Sulphurous Acid in Wines," by M. Eugène Sohier, of Liége (Belgium).

The British Secretary.

Mr. London M. Douglas, who has acted as the Secretary for the Congress in the United Kingdom, and to whose persistency the full representation of British food authorities is due, is one of the staff of the Edinburgh College of Agriculture. He lectures on the meat industry, with which his father's house (Messrs. William Douglas & Sons, Ltd., Douglas Wharf, Putney, S.W.) are closely identified. Mr. Douglas is a Cantor Lecturer of the Society of Arts, and is well known throughout the United Kingdom as an authority on his subject. It is likely that Mr. Douglas will take a leading part in organising the Fourth Congress, which is to be held in London in 1911.

Mr. L. M. Douglas.

The Social Side.

The excursions commenced on Tuesday morning by a visit to the "Halles," or Central Market of Paris. This promenade was terminated by a call at the produce exchange (Bourse de Commerce), where the brokers offered a *champagne d'honneur* to the valiant Congressists, who had been out and about since 7 A.M. One of the largest grocery establishments in Paris was afterwards inspected, and in the afternoon an excursion was made to the chocolate factory of MM. Menier frères, a firm well known in the drug-trade before this portion of their business was sold to the Pharmacie Centrale de France. The visit to the Hôtel de Ville took place at 5 P.M. on Wednesday, when a reception was held by the municipality of Paris. The Minister of Commerce will receive the Congressists at 10 P.M. on Thursday (this was fixed for Wednesday, but afterwards postponed).

French News.

(From the "C. & D." Paris Correspondent.)

Pharmaceutical Trade-marks.—The recent decision of the Court of Cassation that the name "Pyramidon" could not be considered an exclusive property, has been criticised by M. Fourneau, who holds that such decisions deprive the inventor of a new chemical of his just rights. A pharmaceutical journal combats at some length M. Fourneau's conclusions, and points out that pharmaceutical associations have declared in favour of a system by which the name under which a new product is first presented to the medical profession should necessarily become public property. Should the inventor wish to reserve his rights he has only to place his own name—to which no one will dispute his exclusive right—before or after this scientific name, such as "Piperazine, Midy," or "Creosol, Dubois," or adopt a special and fancy title, such as "Neurosine" for glycerophosphate of lime.

Chemists' Windows.

Contributed by "C. & D." Subscribers. The Editor will be glad to receive photographs of effective window-displays for inclusion in this section. Notes on the displays should accompany the photographs.

Cream-emulsion Display.

Mr. H. A. Martin, Willow Bridge Street, Leicester, sends this photo. The lower half of window represents a tank, in which the codfish (printed in colours on paper and stuck on cardboard) are swimming by means of wire fastened to the top of window. The window is painted on the inside with a tinted varnish, while at the back is green crinkled paper, which is kept in position by a staying of 2-in. square board. The lifebuoys are cut out from ticket-board and painted and shaded, and the words printed in white and black. These are suspended half in and half out of the water by means of wire from top, while to them is fastened a bottle of the Cream Emulsion, which, of course, "Saves Life." At the bottom of the tank is a liberal supply of sand, shells, fossils, and bottles of emulsion dotted about. Imitation moss supplies the necessary growths. The bottles, which look apparently full of emulsion, are covered with white demy, cut level at neck to continue the illusion, and when neck label and ordinary label are stuck on they look very much like the real article. White letters are cut out of paper as usual and stuck on the window. The secret of the whole thing is the varnish effect, which causes the fish to look like being in real water. Further, it was a big business-bringer, and Mr. Martin followed it up with a distribution of handbills.

Agri-Horticultural Poisons.

Notices of Application

for licences under Section 2 of the Poisons and Pharmacy Act have been lodged with the local authorities named.

Chester.—Geo. H. Platt, seedsman, Bank Buildings, Eastgate.

Subscribers and others would oblige us by sending information with reference to applications. Copies of newspapers containing the advertisements of applicants would also be esteemed.

Applications Granted.

Bromley.—W. R. Willson & Sons, ironmongers, 180 & 182 Widmore Road.

Warwick.—The Town Council has granted the application of Mr. A. R. Wylie, ironmonger, Corn Market.

Barnsley Technical School.—The local Education Committee has appointed Mr. A. Wright, pharmacist, as lecturer in materia medica and pharmacy, and Mr. A. Price as teacher in chemistry.

Information Department

The object of this department is to supply our subscribers with the names and addresses of manufacturers and agents, or other business information which they may be in need of. Inquiries should be sent by post, addressed to the "Information Department of 'The Chemist and Druggist,' 42 Cannon Street, London, E.C." The information is supplied in most cases from references in our private registers; if not immediately obtainable, an inquiry is inserted free under "Information Wanted" in the next published issue of "The Chemist and Druggist." Urgent inquiries by telegraph or telephone are attended to, but they should, when possible, be confirmed by post.

Inquiries in regard to dispensing, legal, practical, technical, or other pharmaceutical subjects should be addressed to The Editor, who will reply to them in the Correspondence Columns.

Information Wanted.

We would be obliged if readers would reply, by postcard or otherwise, to any of the subjoined inquiries. Replies should be addressed to the "Information Department of 'The Chemist and Druggist,' 42 Cannon Street, London, E.C."

208/72. Where can "Fitz-kure" be obtained?
210/64. Where can "Vasoleum" be obtained?
181/11. "Salutis" soap: where can it be obtained?
210/65. "Nouvena" face-powder: who makes or sells?
202/72. Makers or suppliers of "Verelle" sour-milk apparatus.
209/40. What is Ludwig's magnesium mixture, or where obtainable?

Information Supplied.

In reply to inquiries, information has been sent to subscribers and others by our Information Department in regard to the following subjects. The information will be repeated to any others requiring it who send a stamped and addressed envelope for the purpose to the Information Department as above. The subject of the inquiry and the registration number should be exactly quoted.

Adair's Diable Tonic, makers (194/43).
Albany Food, makers (196/2).
"Bonum" extract of malt and oil (257/37).
Carbonated baths, makers (206/18)
"Cartol" specialities, makers (208/22).
Clift's insecticide, makers (209/23).
Combined vaporiser, watch-holder and night-light (203/73).
"Derma Colloid," makers (207/28).
"Hermine" specialities, maker (204/40).
Honey, importers (Liverpool) (208/21).
Hydrochloric acid, manufacturers (204/11).
Karox Compound, makers (207/19).
"Kloram" inhaler, maker (203/14).
Library Bureau, Ltd., address (204/6).
"Marmite," makers (202/73).
Moulds for gelatin capsules, makers (206/53).
Optical instruction by correspondence (202/44).
Pill-machines, wholesalers (India) (203/40).
"Plastic iron," for mending boiler-cracks (204/66).
"St. Mungo" iodoform gauze (203/13).
Seamless Rubber Co., London agents (207/27).
Smedley's Chillie Paste, makers (207/19).
Soda crystals, makers (207/73).
Sodium-sulphate manufacturers (203/3).
"Suberit" corks, metal-topped (208/1).
Tucker's Asthma-cure, proprietor (204/41).
Turpentine importers (Finland) (202/42).

The Bohemian Government proposes to appoint on the Board of Agriculture an expert to give advice on the cultivation of medicinal plants.

Olive Oil in Asia Minor.—The Acting British Consul-General at Smyrna reports that the coming olive oil yield in the districts of Smyrna, Mitylene, and Aivali is estimated at from 44,000 to 45,000 tons, as against about 33,000 tons last season. From 80 to 85 per cent. of the yield will be consumed in the country, either for eating purposes or for soap making. The importation of cotton-seed oil, formerly prohibited, is now permitted, and, as this oil is much cheaper than olive oil, it has since last winter been used largely both for eating purposes and in the soap industry. It is proposed, however, to denature cotton-seed oil at customs entry.

Observations and Reflections.

By "Xrayser"

Ireland

would seem to be one of the most restful spots on earth, if pharmaceutical indications can be trusted. Exactly a dozen members of the Pharmaceutical Society attended the annual meeting of that body in Dublin last week, and for the fourth year in succession there was no contest for seats on its Council. It is polite to interpret this absence of internal commotion as a respectful manifestation of complete satisfaction with the procedure of the actual governing body; and no doubt to a certain extent that explanation is a correct one. But it cannot be a sign of vigorous health that 334 persons—and Irish persons, let it be remembered—should continue year after year to be so placidly contented in regard to matters which must affect their material interests a little, however perfectly the work may be done. Moreover, it appears from the President's statement that there are more than thirteen hundred licentiates of the Society who do not care enough about the policy adopted even to acquire the influence of a vote; while when 748 qualified persons, "keeping open shop" for the sale of poisons, were asked a question the answer to which might have helped the Council to protect their businesses in some degree, only twenty-six took the trouble to reply. It is greatly to the credit of the few pharmacists in Ireland who have been willing to bear the burden that they should have continued to administer the affairs of the Society so long and so patiently in the face of so much undemonstrative gratitude, as this attitude of their constituents may be euphemistically described.

The Editorial Endorsement

of the remarks made on this page last week in reference to the possibility of promoting interest in the Pharmaceutical Benevolent Fund by the annual election of a few "extra" members to the advisory committee which deals with its administration, encourages me to supplement the considerations then set forth by one from a different point of view. Since 1868, when the benefits of the Fund were extended to all registered chemists and their families, the investments, the subscriptions, and the assistance afforded have all multiplied four- or five-fold. This is perhaps what might have been anticipated, but it is not the less fair to recognise that the augmentation of the means to meet the largely increased demands have been supplied to a large extent by persons and firms not specially associated with the Pharmaceutical Society. The new policy adopted in 1868 was wise as well as generous, and it would probably be similarly wise and generous to ask the persons and firms alluded to to send representatives to the committee, and thus contribute personal service as well as money: a sure way of maintaining and developing their interest in the objects of the Fund towards which they have already shown so much sympathy.

The Analysis of Secret Remedies

is the fairest, and probably the most effective, form of reprisal open to the medical profession against their irregular but formidable competitors, the advertisers of proprietary medicines. The reprint of the articles from the "British Medical Journal" exposing the cost and composition of many of the most widely puffed of these products, ought to satisfy the most passionate of the anti-quackery crusaders. They are never likely to get a prohibitory Act, and a Royal Commission, which would have to listen to both sides, and might record cases of wonderful cures effected by nostrums after the regular faculty had failed, is not an altogether safe tribunal to clamour for. Just now, however, a curious complication occurs. With the natural desire to educate the public as fully as possible, the "B.M.J." sent advertisements of its book to fourteen journals. The advertisement was inserted in the "Daily Telegraph," "Manchester Guardian," "Glasgow Herald," "Spectator," "Punch," "John Bull," "Pharmaceutical Journal," and The Chemist and Druggist. It was at first declined, but afterwards accepted, by the "Daily Mail"; but was refused by the "Express," "Chronicle," "Star," "Graphic," and "News of the World." These journals "assign no reason for their refusal," and it is not unreasonably inferred that they were influenced by the "very considerable revenue" they derive from "the nostrum-mongers." It will probably be agreed that their conduct in this matter is not up to sporting standard, but perhaps their conductors have not realised the enormity of "the nefarious traffic," as it is so glibly designated in medical circles.

Among the 5,560 Words

dealt with in the latest part of the Oxford English Dictionary (Prophesy-Pyxis) there are not more than half a dozen of distinct pharmaceutical interest if we exclude the "protos" and "pseudos" and "pyros," and other chemical and medical terms constructed from the Greek. It may be here noted that Sir James Murray comments reproachfully on the English "unscholarly practice" of dropping the sound of the p in words from the Greek beginning with "ps," as, for example, in "pseudo," "psoriasis," and "psychical." Our ancestors set the bad example with "psalm," and Sir James has no hope of restoring the proper pronunciation to that word and its relatives; but he urges that in scientific terms generally a more correct habit should prevail, as it does, he says, among French and German scholars. He extends the same criticism to words beginning with "pt," such as "ptomaine," for instance. This word comes in for a further application of the etymological lash as having been "blunderingly formed by Professor Selmi, of Bologna," who discovered the corpse alkaloids in 1876. He ought to have named them "ptomatines." Our word "puke," for vomit, has not been traced further back than to Shakespeare's familiar "mewling and puking in the nurse's arms." Pulsatilla is a diminutive of "pulsata," beaten or driven about, and, according to Linnæus, means in this case a flower beaten by the wind. It is of interest to remember that the generic name "anemone" similarly means the wind-flower. "Pulver" was once a current word in English for dust. "Pulver Wednesday" for Ash Wednesday is quoted from the Paston Papers (1484). "Pulvil" and "pulvilio" were terms for toilet or cosmetic powders. "Pumice," from the Latin *pumex*, is synonymous with the French *ponce* or *pounce*. "Ptisan" is from the Greek *ptissane*, peeled or pearl barley. "Purge" is traced to early Latin *pur-igare*, conveying the original sense of to bring about purity. Perhaps

Prunella,

which is still familiar to pharmacists as the name of the special form of fused nitre, is the word in this part with the most interesting history to us. Boerhaave (1732) is the authority for the derivation of the term from the name given popularly to a sort of quinsy which was epidemic in some German armies in the sixteenth century, and was characterised by the tongue and mouth being of a brown colour. Hence the disease was first called *die Braune*, then *brunel*, and afterwards *prunel* and *prunella*. The salt (which, it may be stated, was at that time prepared by deflagrating some sulphur with the fused nitre) proved to be a valuable remedy in the treatment of the complaint, and so acquired the name. The plant *Prunella vulgaris*, commonly known as "self-heal," was likewise used as a remedy against the prunella, and the designation was given to it for the same reason. The prunella indicated in Pope's familiar couplet—

> Worth makes the man, and want of it the fellow;
> The rest is all but leather or prunella

—was a material used for clergymen's gowns and for the uppers of ladies' boots, and apparently got its name from the French *prunelle*, the sloe, on account of its colour.

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Editorial Comments.

Poison-licence.

That, every measure taken against the improper granting of poison-licences having been ineffective, immediate steps be taken to press upon H.M. Ministers the justice of issuing a circular to the "bodies" concerned in accordance with the specific statements of the Ministers in charge of the Bill during its passage through Parliament.—*Motion by Mr. R. L. Gifford at the Pharmaceutical Council not seconded.—"C. & D.," October 2, p.* 546.

This meeting expresses disappointment at the inaction of the Pharmaceutical Council in not obtaining from the Government an authoritative statement on the words "the reasonable requirements of the public" in Section 2, Sub-section 2, of the Poisons and Pharmacy Act, 1908. It would appear from statements made in the House of Lords that it was not the intention of the Government that poison-licences should be granted indiscriminately. The committee would urge upon the Pharmaceutical Council the absolute necessity of taking some decisive action, either in the form of a test-case or by approaching the Privy Council, in order that flagrant cases of indiscriminately granting licences might be investigated.—*Cumberland and Westmoreland Chemists' Association, "C. & D.," October 9, p.* 583.

The inaction in England is admitted, but the Assistant-Secretary of the Pharmaceutical Society in Scotland has been most active in opposing the granting of licences, the results rather justifying the policy of inactivity which has been adopted for the territory south of the Border. In Cumberland the number of licences granted is exceeded, proportionately, by only one other district in England, viz., Lancashire. It is a mere coincidence that our quotations come from representatives of these districts. Discontent in regard to the Pharmaceutical Council's inaction does not exist in these districts alone; it is widely spread, and it is deep. The inactivity is not masterly. At the July meeting the Council resolved to do something, and adopted a motion by Mr. Young, which was referred to the General Purposes Committee, which body reported on September 29 that "consideration of the matter was deferred pending further evidence, which the Secretary

was directed to obtain." This does not look as if the Council had got a grip of the subject at all. It is more like playing with it, and frittering time away, which is inexcusable because, whether or not the Council can do what its memorialists want, it has a unique position and great powers under the Statutes, and if these were exercised by the Council in a statesmanlike manner it would command the respect of public authorities. But the powers have not been exercised, and that is the offence.

There are differences of opinion as to what the Council should do, and as to the grounds upon which authorities should be approached. Perhaps the most prominent complaint is that licences are being granted contrary to the intentions of the Government. Mr. Lord Gifford voiced this at the last meeting of the Council, and again at Blackburn last week, when he said that

> poison-licences had been granted all over the country without the discrimination expressly promised by the Government, whose declarations and assurances were accepted by chemists in good faith, and those who negotiated the Bill held them forth as solid advantages secured to the chemist. Obviously either the Government and their representatives meant what they said, or chemists were deceived.

It is advisable at this point that the Earl of Crewe's statement on the matter should be repeated. It will be remembered that Viscount Hill moved an amendment to Clause 2 to the effect that its provisions should not be

> applicable in any municipal borough or in any urban district containing a duly registered chemist and druggist actually carrying on the business of a chemist and druggist.

The Earl of Crewe refused to accept this, and said :

> "It does not at all follow that because there is a chemist in the place the reasonable requirements of the agricultural public will be met. It is quite possible that he might decline to supply these substances at all. He might not think it worth his while, and no provision is inserted compelling him to meet the requirements of the public at all, and, of course, it obviously would be impossible to insert such a section. These licences will, I think it is quite certain, being in the hands of responsible local authorities, be issued with very great care, and I have no doubt that in a place where there are chemists who are in the habit of selling these things and who satisfy the public no licence will be issued at all, provided that the requirements of the public are satisfied. I must draw attention to Sub-section 2 of this section, which says that
>
> > before granting any licence under this section the local authorities shall take into consideration whether in the neighbourhood where the applicant for the licence carries on or intends to carry on business the reasonable requirements of the public with respect to the purchase of such poisonous substances as aforesaid are satisfied.
>
> Therefore, if the chemist is there and sells the things, obviously no licence will be issued; but if he is there and does not sell the thing the licence ought to be issued."

Thus the promise of the Government was limited in nature, and is contained in the last sentence. Among the hundreds of persons who have been licensed there are, undoubtedly, many who are in business in the same districts, even streets, where already there are registered chemists dealing in the articles. This is at variance with the Earl of Crewe's statement and the intentions of Regulation 5. The Pharmaceutical Council has had several months to consider what action, if any, it can take in regard to these cases, and no light one way or other has come from it. As far as we can gather it does not know what to do. The position is delicate no doubt, the Society being the prosecuting authority under the Statutes, but that only adds to the gravity of the Council's inaction in respect to Regulation 8, which is :

> A licence may be revoked or suspended for such term as the local authority may think fit, if the local authority are satisfied that the licensee has failed to comply with the requirements of these regulations or of the Poisons Act, or that the licensee is not a fit person to be entrusted with the sale of poisons.

It is common knowledge that many licensees are flagrantly violating the regulations and Section 17 of the Pharmacy Act. Why does not the Council take proceedings under the section? It does against chemists now and then. We reported a case last week, but it has not even made any systematic effort to warn licensees that their conduct of this part of their business is subject to the Society's supervision as well as that of the police. We think this is a matter in which much could be done by judicious suggestion. We do not advocate general prosecution, but we do say that the Pharmaceutical Society, with its experience, its statutory powers, and its organisation can do much to confine the operations of the 1908 Act within the limits prescribed by Parliament. This it has not done, nor is doing, and in the meanwhile many persons licensed under the Act are using the licence as a cover for more extensive trading in druggists' goods than the licence warrants. Is it surprising that, with this knowledge, members of the Pharmaceutical Society are asking if Bloomsbury is asleep?

Quinine in India.

The fact that a Malaria Conference is now being held at Simla has excited some interest on this side, and a report has been current on the markets that the Indian Government may possibly sanction a general and free distribution of quinine in the malarial districts; but we are afraid the report has been circulated more as a "bull point" for quinine than anything else, and that the wish is father to the thought. As throwing some light on the distribution of quinine in India we notice that a recent number of the "United Provinces Gazette" contains a resolution signed by the Lieutenant-Governor of the Punjab, which accepts the principle that quinine should not be distributed at the public expense unless it is absolutely necessary to combat a severe epidemic of malaria. From past experience it is calculated that the amount which could be distributed among a million people would be from 25,000 oz. to 30,000 oz., not a very large amount. This, it is presumed, is quinine manufactured by the Indian Government. The above resolution also states that "the Lieutenant-Governor approves the Committee's proposals to increase the amount of quinine sold for a pice ($\frac{1}{4}d.$) from 7 gr. to 9 gr." Additions to agencies for the sale of these packets are under consideration, and arrangements have been made for the experimental issue of the drug in tablet form, three tablets of 3 grains each being contained in a packet. It is quite possible that the larger the sales the greater will be the loss to the Government, considering that 9 grains is sold for a farthing, but the inference seems to be that, whatever the loss, the Government is anxious to incur it in its efforts to encourage the use of the drug as a prophylactic. Recently several important changes have been made by the Government in order to effect economic distribution of quinine, the chief being the concentration of the "putting-up" of packets at the juvenile gaol at Alipore, where thirty boys are engaged in the work. Special arrangements have been made to stock the tablets in large quantities, and the Inspector-General of Prisons is confident of being able to meet any sudden demand when malaria appears in epidemic form. He reports that over four millions of pice packets were made and despatched to various post-offices during last year, and operations henceforward are to be on a much larger scale, which probably accounts for the fact of the recent purchases in London; but those, it need hardly be said, did not awaken any responsive chords in the quinine-market here, speculation being to all intents

and purposes dead. In view of this increased consumption of quinine the annual reports of the two Government cinchona-factories in India for the year 1908-9 are more interesting than usual. Last autumn, it appears, there was a considerable demand for quinine when a widespread epidemic of malaria occurred, and both the Madras and Bengal factories readily disposed of their stocks. The former produced about 420,000 oz. of quinine, or 128,000 oz. more than the annual average, but it must not be supposed that this was all indigenous bark. On the contrary, the output was the result of working up Java bark imported into India from Amsterdam, the yield being 5.5 per cent. of quinine sulphate, against 3.1 per cent. from Indian bark. In the Bengal factory, where the output of quinine was about 586,000 oz., Java bark was also used, the percentage of quinine being 6.71 per cent., as compared with 3.59 per cent. from local bark. The question arises, Why should not the Indian Government be in a position to import bark direct from Java? Valuable analytical work has been accomplished at the Bengal factory during the year, and some time has been devoted by the quinologist and his assistant to the production of quinine tablets. The results were very satisfactory, and it is now stated that the factory if required to do so, could turn out tablets in any desired quantity, with the necessary additional machinery. Entirely new arrangements have been made for the re-crystallisation of quinine sulphate, and a new quinine-drying room has been built with the machinery essential for maintaining a constant supply of fresh air. The profit of the Bengal factory was Rs. 1,29,805, but as the price of the quinine was estimated on the highest market rate rather than the average, it is doubtful if such a profit would be realised if the quinine was suddenly thrown on the market.

The Sale of Poisons.

The "Daily Express," in the course of an article under the above heading and the sub-heading "further restrictions are absolutely necessary," says:

"It is evident that any attempt to relax the restrictions that already exist is a most undesirable step. Yet, curiously enough, the new Poisons and Pharmacy Act actually legalises the traffic in poisons sold for agricultural and horticultural purposes. To be precise, the Act gives the power to sell such highly poisonous substances to any person whom a local authority may choose to license for that purpose—that is to say, to such persons as general shopkeepers, ironmongers, seedsmen, the village shopkeeper, and others. It is true that a large and illicit trade in poisons had been carried on by such irresponsible and unregistered people, but that was due to the laxity of the police and the Pharmaceutical Society. And, in any case, to wink at an evil is a very different matter to legalising it. Seeing that these agricultural preparations of poison are so highly dangerous—numerous deaths occur annually from weed-killers and vermin-killers—it would follow that no relaxation of the law should be made in their favour. Rather should it be rigorously enforced and, if need be, strengthened."

These remarks come about a year too late to be of practical service, but not too late to stir up the administrators of the law, who can do much to enforce existing precautions upon the licensed persons.

Dry Shampoo.

The withdrawal of the prosecution against two employés of Harrods' Stores, Ltd., in respect to the fatality which resulted through shampooing a lady's hair with carbon tetrachloride, was expected. The object of the inquiry was apparently to give wide publicity to the fact that there is real danger in using an anæsthetic liquid such as carbon tetrachloride for cleansing the hair. The introduction of the tetrachloride for this purpose was a result of numerous fatalities through the use of petroleum spirit and consequent explosions and burnings. Carbon tetrachloride is a good grease-solvent and is non-inflammable—hence the resort to it; but it is even more toxic than chloroform when inhaled in excess. It is a curious and lamentable fact that the close of this inquiry is marked with the beginning of another respecting two burning fatalities in the West of London from the explosion of petroleum spirit in a hairdresser's saloon while a young woman was having a dry shampoo with petrol. It seems to us that these inquiries should be followed up by some more strict regulations respecting the use of dangerous liquids in shampooing. Hairdressers blame women for driving them to use highly volatile liquids, as some women want to have their hair cleansed and dried as quickly as possible and spirit is too slow for them. This is eminently a case in which public authority should override personal convenience.

New Books.

These notes do not necessarily exclude subsequent reviews of the works. Any of these books printed in Great Britain can be supplied, at the published price, to readers of this journal on application (with remittance) to the Publisher of "The Chemist and Druggist," 42 Cannon Street, London, E.C.

Cahill, M. F. *The Householder's Duty Respecting Repairs.* 7×4½. Pp. 292. 3*s.* 6*d.* net. (Effingham Wilson.) [This book discusses the points in the formation of the tenancy, repairs during the tenancy, and the end of the tenancy. English law, both in its formation and interpretation, seems to be entirely against tenants and in favour of landlords: the spider and the fly story in everyday life. Mr. Cahill deals not only with the tenant's liability to the landlord, but with his liability to passers-by, customers, servants, neighbours, the local authorities, and others. It is a useful book, made up largely of case law, presented in an orderly and interesting manner.]

Jago, William, F.I.C., F.C.S., Barrister-at-Law. *A Manual of Forensic Chemistry, dealing especially with Chemical Evidence, its Preparation and Adduction.* Based upon a course of lectures delivered at University College, University of London. 7×4¾. Pp. viii+256. 5*s.* net. (Stevens & Haynes.) [The lectures were reported in the *C. & D.* as they were delivered, but in book form they have been much amplified. The book is divided into eight chapters, as follows: Introductory; Adulteration of Food; Adulteration of Drugs; Use or Non-use of New Manufacturing Processes; Use of Preservatives and Colouring-matters; More Important Criminal Matters; Chemical Evidence in Civil Actions; and Practice. The book is interesting—exceptionally so for a law treatise—the author's expert knowledge of chemical practice no doubt accounting for this. Summaries of cases which are of historic or practical importance are a notable part of the treatise.]

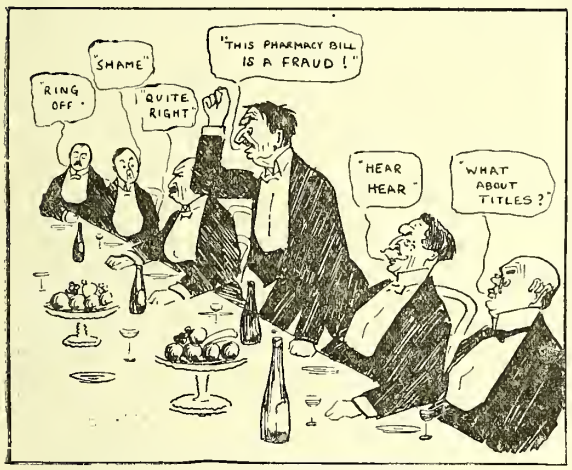
Maris, G. C. *The Card Index,* 6½ by 4, pp. 126, 1*s.* net; *Systematic Business: How to Make a Bad Business Good, and a Good Business Better,* 6½×4, pp. 198, 1*s.* net. (G. Pitman.) [The first of these books is better than the second, because the subject is not so general. "The smart but neat man in front of the buyer is beyond criticism. His collar is clean, his tie shows he has good taste, and the absence of flashy diamond ring or pin confirms this. Shaved this morning; footwear of a fine class; hands and finger-nails clean——." This is from the Art of Salesmanship chapter of "Systematic Business"; and there is a good deal more of the same sort of thing in it that boys learn in decent upbringing and at public schools. It is rarely learnt when they come to read books. "The Card Index" explains the system in practice, filing correspondence and the card ledger. It is an informative book, and saner than card-index manuals usually are.]

Sheldrake, T. S., and R. Westwood. *Sheldrake's Key to Business Knowledge; or, Where to Obtain Commercial Information.* 8½×5½. Pp. 258. 6s. net. (Collingridge.) [This volume contains chapters on Government Departments; Indian and Colonial Inquiry Offices; British Consuls Abroad; Trade Commissioners in India and the Colonies; Foreign Consuls-General in the United Kingdom; Colonial Government Agents in the U.K.; Patents, Trade Marks, and Copyrights; British Chambers of Commerce Abroad and in the U.K.; Lloyds' Foreign Agents, Directories, Business Papers, and Books; and Aids to the Conduct of Modern Business.]

Winter Session of Chemists' Associations.

After-dinner Attitudes.

The varying moods of maids and men
Within the pharmaceutic ken
Our purpose is to show;
We'll try by aid of fickle Muse
And graphic pen to interfuse
The after-dinner glow.



Last year the seedsmen were denounced,
The ironmongers soundly trounced,
And sheep-dip peddlers scathed;
The agri-horticultural tribe,
With sneer and snap and quip and jibe,
In burning words were bathed.

Not theirs the right to steal our pelf,
To pack our poisons on their shelf,
For use of sheep or kine;
They shrivelled up as we, with zest,
Cried "Hear" when Spokesman slapped his chest,
And mixed the old but merry jest
With walnuts and with wine.

Brief Records.

Sheffield Pharmaceutical and Chemical Society.—The first meeting of the newly elected Council was held on October 19, Mr. Percy Carr (President) presiding over a good attendance. The arrangements for the coming session were discussed, a draft of the syllabus being submitted. Mr. Bernard Ellis is to open the session at a meeting on November 10 by opening a discussion on "Parliamentary Representation." It was decided to abandon the annual ball fixture for this year, but a sub-committee was appointed to make arrangements for the annual dinner.

Assistants' Union.—A meeting of the London Branch of the N.U.A.P. was held at the London College, 323 Clapham Road, on October 17. Mr. Shelley took the chair and introduced Mr. Bullen, who read a paper on "The Immediate and the Ultimate." He emphasised the necessity of unity and clearly pointed out the many advantages the qualified assistant might reap by joining the Union. He referred to the betterment of conditions which had taken place in part of Australia through the unity of the assistants. A discussion then followed on the "Shop Hours Act" and the "Inclusion of the Unqualified in the Union." Mr. J. O. Roberts was unanimously elected to fill the vacancy caused by Mr. Catto's resignation from the committee.

Mansfield and District Pharmacists' Association.—A meeting was held at the Oriental Café, Westgate, on October 6, Mr. Pegg (President) in the chair. Mr. A. H. Bell (Secretary) reported that no licences for the sale of agri-horticultural poisons had been granted, owing in a great measure to the activity of the Association in interviewing members of the Council and pointing out the danger of granting these licences, the demand being amply met by the qualified pharmacists. Mr. J. F. Dickenson was nominated as Divisional Secretary. Mr. Davkin (Bolsover) was elected a member of the committee, in place of Mr. Elliott. The new regulations for old scales were discussed, and the general opinion was that the regulations are too stringent.

Leicester and Leicestershire Chemists' Association The monthly meeting of this Association was held at the Turkey Café, Leicester, on October 12, Mr. Burford, F.C.S. (President), in the chair. There were also present Messrs. Ward, Thirlby, Fry, Hearnshaw, Hind, Foreman, Wilby, Hampton, A. E. Young, Blockley, Lewis, Johnson, Peberdy, Barker, Martin, Crookall, Avery, and Marfitt. A discussion arose as to the re-arrangement of the classes of the pharmaceutical course at the Technical Schools. The head master was thanked for his offer, which was accepted. Messrs. Haycock and Crookall were elected members of the Association. Mr. Lewis then read a paper on "Book-keeping for Pharmacists." Mr. Blockley introduced the subject of "When should poison bottles be used by pharmacists?" upon which wide differences of opinion were shown.

Manchester Pharmaceutical Association.—The 1909-1910 Session was inaugurated on Wednesday evening, October 13, by a conversazione, which was held at Lyons' Popular Café, Piccadilly, under the presidency of Mr. George S. Woolley. About a hundred ladies and gentlemen were present. An excellent programme was submitted, the first part being a concert, in which Mr. T. Bertram Croxall, Mus.Bac., Mr. Andrew Thomas, Miss Gertrude Brookes, Mr. E. Winterbottom, the Misses Harrison, and Mr. J. H. Franklin participated. After an interval a dramatic sketch entitled "Sympathetic Souls" was rendered, the cast being: Mrs. Bellringer by Miss Alice C. Hughes, Parker by Miss L. Sabin Bennett, Mr. Ponsonby by Mr. George Pye, and Captain Palliser by Mr. Walter Mudie. Our correspondent tells us that the piece was very laughable, Miss Hughes in her well-known inimitable style taking the lead. The evening made an excellent start to the session.

Bath and District Pharmaceutical Association.—The annual meeting was held at the Literary Institution on Thursday evening, October 14, Mr. E. W. Loveless (President) in the chair. Mr. J. W. Sampson read the Secretary's report, which showed very satisfactory progress, the membership having increased, while all the meetings had been well supported. Mr. J. G. Hawes presented the Treasurer's report, which showed a balance in hand of 4*l.* 10*s.* 9*d.* On the motion of Mr. A. H. Cooper a vote of thanks was accorded to the retiring officers. Mr. W. J. Hallett was unanimously elected President. Messrs. B. John, A. Olds, and E. W. Loveless were elected Vice-Presidents, Mr. J. G. Hawes was re-appointed Treasurer, and Mr. H. K. Pryke nominated as Divisional Secretary. Mr. D. A. Evans was chosen as Secretary, in the place of Mr. Sampson; and Mr. H. Norris was appointed auditor. The following gentlemen were elected as committee: Messrs. A. H. Cooper, F. Cooper, H. Roberts, A. L. Snow, D. J. Williams, and L. Wilson.

Western Pharmacists' Association.—A meeting was held at Frascati's Restaurant, Oxford Street, W., on Wednesday evening, October 20, Mr. J. T. Barrett (President) in the chair. Sixty members and friends were present. After the preliminary business, including election of twelve new members, Professor J. Norman Collie, F.R.S., entertained the company with a graphic account of his experiences during his expedition in the Canadian Rockies. His descriptions were followed with the greatest interest, and were illustrated by a series of lantern-slides from his own photographs. The prolonged applause which greeted Professor Collie at the close of his lecture demonstrated the keen appreciation of those present. This was interpreted by a vote of thanks voiced by the President. Pharmacists who are in business in the western area of London, and who are not already members of the Association, are requested to write to the Hon. Secretary (Mr. C. T. Allen), 20 High Road, Kilburn, N.W. The annual dinner is to be held on November 17 at Frascati's.

West Ham.—A meeting of the West Ham and District Association of Pharmacists was held at Earlham Hall, Forest Gate, on Thursday, October 14, Mr. Henry Soper (President) in the chair. There were also present Messrs. Barnes, Blades, Cleland, Cocker, Eastman, Lord, Mitchell, Potter, Raynor, Reed, Ward, and the Secretary. Among the letters read was one from Messrs. Elliman, Son & Co. in reply to the Association's suggestion that they should advance the minimum selling price of their embrocation. The President characterised the reply as an insult, and advised the members to show their disapprobation of their conduct by selling as little as possible of the embrocation.—Messrs. Mitchell and Barnes supported the President's attitude, and the latter suggested that a protest against Messrs. Elliman's conduct should be entered on the minutes.—Mr. Blades made some interesting observations on the new scales regulations. The President,

Messrs. Mitchell, Potter, Barnes, Cleland, Reed, and Raynor also spoke. Mr. Vaughan, of Messrs. Avery & Co., exhibited an assortment of dispensing and other beam-scales, and described their construction and advantages.—Mr. Cleland introduced the subject of Price Protection and suggested that the Association should co-operate with the other London Associations and issue a special price-list for the whole of London. He also had an alternative scheme of using the existing "Liverpool Price List," and altering the prices as required. A lengthy discussion followed, all the speakers being unanimous in their desire to increase the profits, but their opinions varied considerably on the question of prices for the proposed list.

Bradford Chemists' Association.

A Meeting was held at the Rawson Hotel, Bradford, on Tuesday evening, October 19, Mr. John Gordon presiding over a large attendance of members. The business was an address on

Successful Advertising,

by Mr. E. T. Neathercoat, member of the Pharmaceutical Council, from which we cull the following points :

The public should be constantly hammered at until the desired effect is produced. There must be a good deal of sowing the seed in advertising.

Successful advertising is the art of attracting and convincing.

The idea that if sufficient direct results accrue from one advertisement to cover the cost it is a success, and if not it is not a success, is erroneous.

The advertisement is a success which first brings people to the place, even though the first transaction is small. We must not take too seriously the first results in regard to profit. What is of real importance is the general result of a year or a season.

Advertising is of little use unless the article is of such real intrinsic value that it will go on advertising itself.

Spasmodic advertising is foredoomed to failure. Advertising must be well sustained and systematic. A certain fixed proportion of the turnover should be devoted to advertising each year. It is possible to do a great deal locally with a small amount of money if a carefully set-out plan is followed.

In preparing the advertising matter pay close attention to the class of people appealed to as well as sex and age. Pictures are attractive, drawing attention to and increasing the charms of the letterpress. Where the pharmacist cannot phrase an advertisement himself, he might rely upon specialists, some of whom were particularly experienced in drawing up chemists' advertisements.

As to window-display advertising, the attractive window is not necessarily the most successful window. Eccentricities may draw a big crowd, which does not necessarily mean a busy counter. Window price-tickets should be on the right articles. People like to know exactly what they have to pay for an article when they come into the shop.

Many special lines of the pharmacist are particularly adapted for mail-order business therefore to advertising, and it is cash business. Great numbers of people prefer to buy an article through the post from another town, especially from a larger town than their own. The Alpha of advertising is to win public confidence, and the Omega is to hold that confidence.

Messrs. Broadhead, R. W. Silson, D. S. Priestley, R. T. Silson, H. R. Jackson, and H. W. Gregory spoke in warm terms of the value of the address.

Portsmouth Pharmacists' Association.

The first social event of this Association took the form of a dinner, and was held at the County Club, Southsea, on October 20. Mr. W. S. Glyn-Jones was unable to be present, and letters of regret for absence were also received from Mr. H. Wilson (Southampton) and Mr. O. Freeman (Technical College). About forty persons were present, Mr. T. H. Cruse presiding. He was supported by Mr. T. A. White (Vice-President), Mr. Cripps, F.I.C., Mr. F. Arnaud, F.I.C. (borough analyst), Mr. T. O. Barlow (Hon. Secretary), Mr. S. Rogers (Treasurer), Mr. Carpenter, L.D.S., Mr. J. Thompson, Mr. W. Dale Baylass (Evans Sons Lescher & Webb, Ltd.), Mr. Hickey and Dr. Foster (Parke, Davis & Co.), and Mr. F. L. Johnson (B. W. & Co.).

In the speeches which followed, a note of regret was expressed that the Pharmaceutical Society had not more regard for chemists' interests. Mr. Cripps spoke of the advantages of local associations. Mr. W. O. Smith (Fareham) proposed the toast of "The Visitors," to which Mr. Arnaud, Mr. Hickey, and Mr. Carpenter replied. The final toast was that of "The Officers of the Society." A capital musical programme was arranged, Mr. P. Davies (Havant) and Mr. E. H. Smith (Gosport) contributing.

Plymouth, Devonport, Stonehouse, and District Association of Pharmacists.

The Annual Meeting was held in the library of the Association on October 14, Mr. H. D. Davey (President) in the chair.

The Annual Report presented by the committee drew attention to the small attendance at the quarterly meetings, this general apathy having made itself felt in some of the work undertaken. On the social side the Association appears to flourish as well as in educational matters. The balance-sheet showed that all the furnishing bonds had been discharged and the balance in hand was satisfactory.—The report and balance-sheet were unanimously passed.

Divisional Secretaries.—The following were nominated : Plymouth, Mr. W. Condy U'Ren ; Devonport and Stonehouse, Mr. J. E. Knight.

Other Business.—Messrs. W. H. Stephens, N. B. Barber, and P. W. Hancock were elected junior members.—Mr. F. W. Hunt called attention to the weights and measures regulations, and after discussion the Secretary was instructed to write the Pharmaceutical Society for further information.—Messrs. F. A. Rope and A. Barber were chosen as auditors.—The ballot for election of committee gave the following result : Messrs. Ancliffe, F. Barge, W. Barrett, H. D. Davey, H. H. Cannon, H. M. Marcoolyn, F. A. Goodwin, F. Maitland, C. J. Park, S. A. Perkins, E. Richardson, R. F. Roper, E. G. Turney, J. D. Turney, W. Condy U'Ren.

New Officers.—The committee subsequently met and elected Mr. W. Condy U'Ren President, Mr. H. D. Davey Vice-President, Mr. F. J. Barge Treasurer, and H. H. Cannon Hon. Secretary with power to employ clerical assistance at the expense of the Association.

Junior Section.—Mr. R. F. Roper gave the opening address to the students at 7 Whimple Street, on Wednesday, October 13. Introducing the study of materia medica, in which a series of lectures has been arranged for the winter session, Mr. Roper suggested that as the historical side of the question is full of interest it would well repay those who took the trouble to study it.

Cambridge Pharmaceutical Association.

The Annual Meeting was held at 10 Emmanuel Street on Friday, October 15, Mr. B. S. Campkin (President) in the chair. There were also present Alderman A. Sidney Campkin, Messrs. E. Saville Peck, M.A., H. F. Cook, J.P., H. Flanders, A. A. Deck, F. S. Campkin, Lincoln (Ely), J. Evans (Hon. Treasurer), and T. J. Mallett (Hon. Secretary).

Annual Statements.—The President reviewed the work of the past session, specially mentioning what had been done in opposing the applications for agri-horticultural licences, and next year's meeting of the British Pharmaceutical Conference in Cambridge.—The Hon. Secretary presented his report showing an increased membership and greater interest in the affairs of the Association.—The Hon. Treasurer submitted the balance-sheet showing thirty-two subscribing members and a substantial balance on the right side.—After discussion as to the amount to be added to the reserve fund for fighting and organising purposes, the reports were adopted on the motion of Mr. Cook, seconded by Mr. Flanders.

Organisation.—The Secretary read a letter from the Peterborough Association calling attention to a meeting of chemists at Spalding on October 21.—Mr. A. Sidney Campkin hoped a good number of Cambridge pharmacists would attend. The meeting was arranged by the Pharmaceutical Society, and was part of the organisation scheme. Mr. Campkin also referred to the direct Parliamentary representation scheme, adducing the advantage to pharmacists of having a member in the House of Commons devoting his whole time to their welfare.—A discussion followed, and several members promised financial assistance.

The Annual Vote for the Benevolent Fund was agreed to. A long discussion on Conference matters ensued.

Election of Officers.—The President intimated that his term of office had expired, and he moved that Mr. E. H. Church be elected President. Mr. Cook seconded, Mr. Peck

supported, and the meeting elected Mr. Church unanimously. The other officers elected are: Vice-Presidents, Alderman A. Sidney Campkin, J.P., Mr. H. F. Cook, J.P., and Mr. H. Flanders; Hon. Treasurer, Mr. J. Evans; Hon. Secretary, Mr. T. J. Mallett; committee, Messrs. Missen, Parson, Peck, B. S. Campkin, Deck, and Pain. Votes of thanks to the retiring President and to the Treasurer and Secretary terminated the proceedings.

Leeds Chemists' Association.

A Meeting was held at the Old Bank Restaurant, Commercial Street, Leeds, on Wednesday evening, October 20, Mr. F. Pilkington Sargeant (President) in the chair. There was a large attendance. The meeting was chiefly in the nature of a social event, a smoking-concert having been arranged, but in the first instance an address was delivered by the President giving a general review of

The Present Pharmaceutical Position.

In the course of this address he mentioned the revision of the rules, the effect of which is that unqualified persons cannot be elected members, nor those who have not passed a Preliminary examination associates. He also referred to other work done, saying that it was a record of which they need not be ashamed. As to the policy of the Association in the immediate future, he recalled his remarks as to Section 2 licences being granted in towns where there are chemists (which has been done), and referred to the danger of Section 4, providing for the registration of certain dispensers as chemists. He suggested that chemists could, by friendly co-operation with *bona-fide* agri-horticultural dealers, limit the channels by which these poisonous preparations find their way to the users, and they could do that even better if they made themselves acquainted with the wants of these users and prepared to supply them. He assured the Pharmaceutical Council of the heartiest support from that Association in any efforts they might make to withstand the attacks on the standard of registration under Section 4. He added that the letter of the 1908 Act is being violated by companies, and it is the intention of the Association to harass the officials of the Society until definite action is taken, but he believed that there would not be efficient administration of the Pharmacy Acts until it is in the hands of the police. He also touched upon representation of pharmacists in Parliament, and deprecated the association of pharmacy with any political party, and said that the Leeds Chemists' Association would not only support any candidate who was introduced by the methods of the Parliamentary Representation Committee, but would protest vigorously against such a one pretending to represent the craft. A vote of thanks was accorded to the President on the motion of Mr. Beacock, seconded by Mr. Bentley. The remainder of the evening was spent in a convivial manner, a number of capable artistes contributing vocal and elocutionary items to an interesting programme of entertainment.

Chemists' Assistants' Association.

At the meeting held at 7 Newman Street, London, W., on Thursday evening, Mr. F. L. K. Loxley presided, and the business of the evening was a lecture by Mr. H. Wippell Gadd, barrister-at-law, on

The Poisons and Pharmacy Act,

which he considered from different points of view. As it affects the public weal, the Act is for good, because Section 3 requires that every premises where the business of a pharmaceutical chemist or chemist and druggist is carried on must be *bona fide* conducted by a person of proved competence, whether it belongs to a pharmacist, is carried on by the executors of a deceased pharmacist, or belongs to a body corporate. Further, the description of chemist and druggist, or of chemist, or of druggist, or of dispensing chemist or druggist can only be used by a body corporate (or in Scotland a firm or partnership) if the superintendent is a member of the governing body of the body corporate (or in Scotland of the firm or partnership), and the titles pharmacist, pharmaceutist, and pharmaceutical chemist can only be used personally by those who have earned them in the statutory manner. Thus the public are assured that wherever poisons (in the legal sense) are sold, not only is the physical transfer conducted by a person of proved competency, but the whole conduct of the business is under skilled supervision. It is also for the public good, Mr. Gadd considered, because the competence of embryonic pharmacists is ensured by practical instruction as well as interrogation. Moreover, the Poisons Schedule is improved as regards care in selling, and the Act provides for more care to be exercised in the sale of "poisonous" substances in the mineral acids group. Mr. Gadd next referred to the new provisions which make for public danger, and having explained Section 2 he said:

"The regulations [as to the sale of agri-horticultural poisons] should be strictly enforced. I have myself seen ripe fruit on the same counter as a preparation of nicotine, in flagrant disregard of Regulation 13, and in other respects there is little doubt that the law is being daily broken. Section 2 distinctly enacts that to obtain exemption from the penalties imposed on unqualified persons for selling or keeping open shop for the sale of poisons, it is necessary not only that the vendors shall be duly licensed by the local authorities, but also that they shall conform to the regulations. The Pharmaceutical Society therefore has power, when these regulations are broken, to sue the licensees for a penalty of 5*l.* under Section 15 of the 1868 Act, and the recovery of such penalty would be good ground for the revocation or suspension of the licence by the local authority. Again, while nothing short of a new Act of Parliament can altogether remove the public danger caused by the enactment of Section 2, the regulations may be altered by Order in Council, and representations might well be made to the Privy Council showing the necessity of their being made more stringent. The grosser anomalies would, for example, be entirely removed by a regulation stating that no licence should be granted for any premises situated within one mile of an existing pharmacy. Such a regulation could cause no real hardship, and would carry out the spirit of the Act."

The curriculum and reciprocity section was also considered to be a public danger, not in respect to Colonial diplomas, but as regards assistants to apothecaries or military dispensers.

Mr. Gadd next discussed the Act from the point of view of the pharmacist, dealing in this part of the address with the changes in the Schedule of poisons on somewhat similar lines to those followed by him in his Pharmaceutical Conference paper (*C. & D.*, July 31). Speaking of the "certificate of qualification," he said it is (1) the certificate of registration which the Registrar supplies for the sum of one shilling, (2) the certificate of having passed the Minor examination, or (3) the certificate of membership of the Pharmaceutical Society; but the point is of purely academic interest, the exhibition of any one of the three certificates being sufficient for all practical purposes. The conduct of pharmacies by companies was next dealt with, historically at first, then in the light of the new statutory provisions. In regard to the use of the title pharmacist by registered persons, he rather favoured the view that no such person should use it except in association with his own name. As to the effect of the Act on the chemist's assistant,

To the qualified it is, he said, entirely for good—
It enhances the value of their qualification.
It increases the demand for their services.
It gives them a status they have never formerly enjoyed.
To the unqualified the moral is obvious—
At any cost become qualified!
The lot of the unregistered will become harder every year.
The demand for his services is bound to decrease.
His status and his stipend will alike diminish.

In one respect only is his burden to be lightened: the Council of the Pharmaceutical Society has now power to divide the Minor examination.

Mr. Gadd said this should be done by taking the fundamental sciences (chemistry, botany, and physics) first, and the arts in which they are applied (pharmacy and pharmacognosy) subsequently. But the standard should not be materially raised, still less should anything like a complete collegiate course be enforced.

The lecture was much appreciated by the members, who raised several points by questions, which were afterwards lucidly explained by the lecturer. The members who took a more prominent part in the discussion were Messrs. F. L. K. Loxley, F. W. Crossley-Holland, S. Furnival, R. Lownsbrough, L. Cooper, and Smith. The President then thanked Mr. Gadd, and the motion was carried with enthusiasm.

"Ucal" as a trade-mark is applied for by Mr. H. Miller, Cheltenham.

Westminster Wisdom.

A Record of Parliamentary Progress.

Shanghai Opium Commission.

The Foreign Office has received the report of this Commission, and two copies have been placed in the Library at St. Stephen's for the use of members of both Houses of Parliament.

First-aid at St. Stephen's.

It is surprising, in view of the strenuousness of the Parliamentary Session, that cases of disablement do not more often occur, but in the case of Mr. G. R. Thorne, M.P., who was seized with a fainting fit in the Library of the House of Commons on Tuesday evening, it is interesting to note that the medicine-chest provided by Messrs. Burroughs Wellcome & Co. was again resorted to. The chest is kept in the private room of the Assistant Serjeant-at-Arms, where it is accessible to both Houses.

Poisons Act.

Captain Murray's question regarding the granting of a poison-licence at Penicuik (*C. & D.*, October 16, p. 605) was answered by the Lord Advocate, who replied that the question of the grant of licences under Section 2 of the Poisons and Pharmacy Act, 1908, is one entirely within the discretion of the local authority so long as the terms of the Act are not infringed. The Act charges the local authority with the duty of considering whether the reasonable requirements of the public are satisfied, and these requirements may not in some cases be met through the facilities given by chemists. There is no provision in the Act for cancelling a licence granted by the local authority.

The Apprenticeship System.

The Council of the Association of Chambers of Commerce of the United Kingdom has come to the conclusion that no further action in regard to the apprenticeship question can be taken with advantage at the present moment, notwithstanding the fact that the new Lord Mayor of London is contemplating the summoning of a special conference to consider the possibility of reviving the old system. The Association has memorialised the Board of Trade and other Government departments on the subject, and the Board of Trade replied that they were conducting a general inquiry into the wages and hours of labour in the various industries, and that one section of the inquiry was being devoted to ascertaining all particulars in regard to the systems of apprenticeship in vogue. This report has yet to be presented.

Inflammable Hair-washes.

In the House of Commons on Wednesday, October 20, Sir William Collins asked the Secretary of State for the Home Department whether he proposed to take any action with a view to restrict or prevent the use of substances for shampooing the hair which, by reason of their poisonous or inflammable qualities, were liable to cause serious injury or fatal results. Two other questions bearing upon the same matter were also addressed to the right hon. gentleman the same afternoon—one by Dr. Rutherford (L., Brentford) asking whether, in view of the recent further deaths which had taken place from the use of these hair-washes, he could hold out any hope of the introduction next Session of legislation for the purpose of preventing the use of all such preparations. The other question was in the name of Mr. Stephen Collins, and was to much the same effect, the hon. member desiring to know whether the attention of the Home Office had been called to the recent further deaths from the use of these inflammable preparations.—Mr. Gladstone, in reply, said that the matter was receiving his serious attention, and the question whether legislation ought to be undertaken would be fully considered. In the meantime he might point out that, as intimated by counsel in the recent proceedings at Westminster Police Court, the Director of Public Prosecutions would certainly prosecute for manslaughter if tetrachloride should again be used and a fatal result ensue. The inquest in the recent case of two deaths arising from the use of petrol was not yet concluded, but when the inquiry was completed the question of prosecution would be considered by the Director of Public Prosecutions.

Brewers' Exhibition.

THE Brewers' Exhibition is being held this week at the Royal Agricultural Hall, Islington, London, N. The exhibition is the oldest of the many trade exhibitions which are held during the year, and a walk round will interest those who take a wide view of the scope of the drug-trade. The feature of this year seems to be the machinery for use in brewing and aërated-water making. One carries away with one bewildering recollections of bottle-washing machinery tempered with a thankful feeling that the importance of clean containers is so definitely recognised and made easy of attainment. Our representative spent some time in watching the working of the Nash bottle-washer. In this machine each bottle is put through a cycle of soaking, brushing, and rinsing inside and out, the operator being occupied in changing clean for dirty bottles. The apparatus is also adapted for jampots, and is in use at Horlick's malted-milk factory. There are at least a dozen other kinds of bottle-washers being shown at the Exhibition, the names of some of these being the "Automaton," "Brooke," "Century," "Champion," "Diamond," "Eclipse," "Eureka," "Express," "Kingston," "Premier," "Soka," "Stepney," "Turbo," "Turret," "Tunelis," "Victoria."

Labelling-machines are also much *en évidence*, some being simple arrangements for facilitating the pasting of the labels, such as the "Little Dart" and "Eti-Kettle" tables, while others are more complicated—the "World" machine, for example, which takes a bottle and automatically affixes from one to three labels thereon at the same time. Other machines noted were the "Premier," "Victor," "Eclipse," and "Express." The Berkefeld Filter Co. are showing various forms of their filters for use in aërated-water factories and the house. The "Winco" semi-rotary wing-pumps are also exhibited by this company. Another company show "Turfa" semi-rotary pump and "Arma" piston-pump. Sidney Munckton has his "Speedwell" syphon-top polisher on show, as well as a patent bottle-washer. Farrow & Jackson exhibit soda-water machinery among other goods. The "Consol" aërators are to be seen at the stall of the British Automatic Aerators near the entrance. Idris & Co. have a fine exhibit of the various syphons they manufacture. Visitors can bring away a handsome and informative souvenir of this stand in the shape of an illustrated list which explains the advantages of the different patterns. [The souvenir can also be obtained on application.—Ed.] We noted here a handy syphon-top polishing machine; it is a small machine, but requires power to drive it. The company also have a simple cleaning-block for hand use. C. H. Glover & Co. show boxes for syphons and bottles, and at the opposite end of the hall is an exhibit of drainers and crates made for brewers, but suited for aërated-water makers.

Special stopperings for bottles are shown by the Goldy Stopper Co., Lumley & Co. (Dan Crown cork), the Imperial Cork Manufacturing Co., Crown Cork Co., Simplex Stopper Syndicate, and N. R. Capsule Syndicate. The last-named is a non-filling device for bottles, the contents of the bottle being poured out without entirely removing the capsule. It is interesting to note the importance which is rightly attached to sterilised corks: at one stall may be seen a cork-steaming machine and at another place the "Kosmos" cork-washing apparatus. The lacquering of the inside of beer-casks is becoming routine work at many breweries. Several firms specialise in the resinous material used for lining and the machines for applying the melted lacquer. There are quite a number of appliances shown for tilting casks, some forms of which would be useful to chemists with a "heavy" trade. The particular kinds we noticed were the Thompson tilter, Edwards' stooper, the "Acme" tilter, and Liggins' tilter. Bennett, Sons & Shears, Ltd., are showing the "Auto" still and "Ideal" condenser. Finer chemical instruments are to be seen at the stands of W. Reeves, Dring & Fage, and Joseph Long. Of general interest is the exhibit of the National Cash Register Co., S. Clark & Co. ("Syphon" stoves), H. C. Slingsby (sack-trucks), and the Ken-Laur illuminating signs.

A number of the exhibits are chemical in character as the brewing and aërated-water industries are but branches of

chemical industry. The following are the exhibitors in this class: Saccharin Corporation; London Essence Co. (soluble and fruit essences); Boake, Roberts & Co. (caramels, "K. M. S.," and primings); Gillman & Spencer (lime bisulphite, nutramide, restorative, lustril); Valentin, Ord & Co. (brewing-sugars, dextrin-maltose, caramel); E. J. Hay & Co. (black malt extract, porter-flavouring); Krainite Sugar Co. (brewers' Krainite); Vanguard Chemical Co.; W. A. Wayland & Co. (kalium metasulphite, ukaline, ukazone, soluble gypsum); Hassall & Co. (phospho-citric acid); E. S. Spencer (sanafin detergent, sealax cleanser, amine-peptone yeast food, glucosamide); London Chemical Co. ("Unxld" disinfectant); Jeyes' Sanitary Compounds Co. (cyllin and its preparations); G. Price (Kerr's detergent); J. Fison & Co. (fertilisers and carbol sheep-dip); Clark's Optimus Coffee Extract; Horst Co. (concentrated hop extract, useful for making non-alcoholic beverages); Ready Rat Relief Virus Co.; Redio Co. (polishing-cloth); Stud Co. (horse and cattle medicine, including "Horseine"). Carbonic acid in solid form is shown by Mann, Crossman & Paulin, while an ingenious application of this gas is the "Prana" automatic extractor, an apparatus for supplying carbonic-gas to casks of draught beer, and so preventing the beer from going sour through the admission of air. Carbonic acid is very largely employed for adding to beer and for refrigerating-purposes.

There are a few bottle firms showing—A. Alexander & Co., J. Kilner & Sons, Redfern Bros., and Witting Bros.—and earthenware vessels are exhibited by J. Stiff & Sons, Price, Powell & Co., and Doulton & Co. The last-named company have among their samples a nicely shaped foot-warmer. Among the exhibits of beverages are Liebig's Extract of Meat Co. (lemco and oxo); Bovril, Ltd. (bovril and wild-cherry sauce); Coleman & Co. (Wincarnis); J. Symons & Co. (cyder); H. Whiteway & Co. (cydrax and apple vinegar); Teplitz natural mineral water; Sieger's Angostura bitters and Ivelcon. Marshall & Philip are showing the "Fountain" fruit-tree spraying plant.

Business Systems.

At Olympia this week a very successful Business Exhibition is being held, and there a *C. & D.* representative received the impression that even the largest business may be run easily by anyone possessing money enough to instal a "system" and to engage an odd office-boy or typist. According to some of the representatives of "systems" interviewed, most businesses properly set agoing (with *their* particular system) would run themselves. It is apparent, at any rate, that system for business purposes is becoming more and more popular. This is shown by the lavish displays made by The Shannon, Ltd., Rockwell Wabash Co., Ltd., Mathieson & Sprague, Ltd., Systems, Ltd., Amberg File and Index Co., Fordham & Co., Ltd., Johnson, Taylor & Co., Ltd., H. Hammond, and others.

The card-index system still holds favour, but a feature of the Exhibition is the strong opposition to cards by makers of loose-leaf ledgers. At one time "Kalamazoo" held the field in this department, but loose-leaf books are now made by Edgar & Co., Waterlow & Sons, Ltd., Partridge, Cooper & Co., and Hammond & Stow, Ltd. Typewriters and duplicators are strongly in evidence (indeed, one of the largest and attractive shows is that of the Smith Premier Typewriter Co.), while "Roneo," "Quadruplex," "Cyclostyle," and others worthily represent the mutiple machines. Advertising experts abound, including one specialist in Japanese advertising, while Hapgood, the "brain-brokers," are there. Machines for folding circulars and letters, for opening letters, and for closing letters are to be examined, the automatic folding machine of the Business Development Co. (described some time ago in The Chemist and Druggist) being much in evidence. Sir Isaac Pitman & Sons, Ltd., and the Caxton Publishing Co. have a good display of business books. One of the most interesting displays in the Exhibition, so far at least as chemists are concerned, is that of Mr. Tom Morley, who specialises in window-tickets and showcards. He has some very attractive specimens of air-brush work, got up specially for the chemists' trade, and he is fully alive to the necessity for first-class work in connection with pharmacy. The "Inventors' Section" is very quaint, and is largely represented. Most of the inventions, however, seem to run to the region of window-sashes. There are slicing machines, hat-pin protectors, and some weird combinations, such as a perambulator which can be made "a double or single perambulator, a child's wagon, an adult chair, a high chair, one or two armchairs for children, and a travelling trunk, and the whole to pack up in a space of 24 in. by 11 in. by 12 in." Chemists who have a few minutes to spare may gain an idea or two by visiting the Exhibition before it closes on October 23.

A Swiss Industrial Exhibition.

The inhabitants of Valais have been holding a cantonal exhibition at their ancient capital, Sion. Of the thirteen groups of exhibits several can be classed as chemical-manufactures, the most interesting being the electro-chemical products shown by "La Société Suisse des Produits Azotes," of Geneva, including calcium cyanamide, dicyanamide, ammonia, ammonium sulphate, liquid air, and calcium carbide, the two last-mentioned being used in the manufacture of calcium cyanamide. This company has a factory on the outskirts of Martigny, which one passes in crossing the Great St. Bernard. The factory is driven by electrical energy derived from a fall on the river Drance, which rises near the well-known St. Bernard Hospice. A somewhat similar exhibit was that of the "Usine Electrique," of Gampel, a concern which has four electro-chemical factories with a combined horse-power of 39,500, all derived from falling water. Calcium carbide is their mainstay, but ferro-silicon and other products are also made. Perhaps the greatest variety of electro-chemical products was shown by the "Fabrique de Produits Electro-Chimiques de Monthey," which uses as a raw material the salt-impregnated gypsum found at Bex, well known as a resort for autumn visitors undergoing the "grape cure." The manufactures include sodium, chlorine, bleaching-powder, tin tetrachloride, chloral hydrate, carbon tetrachloride, and a great variety of soda and chlorine products. The Chippis factory showed aluminium in various forms, and nitric acid and "nitration mixture" for the preparation of nitro-explosives, all these being made electrically. As an indication of the great extent to which the water-power of Switzerland is now being used industrially, it may be mentioned that the total available horse-power in the Canton of Valais has been estimated at 266,226. Of this all but 23,800 horse-power has been let to concessionnaires, for which 407,350f. has been paid, and in addition the State receives a rent of 47,632f. per annum, and the communes of the canton 213,241f. per annum.

The Week's Poisonings.

Eight fatalities, including one misadventure and one case of murder, have been reported from poisoning during the week.—At Belfast, Robert Gilmour (45), an unemployed clerk, took a quantity of strychnine which he had purchased from a chemist on the pretext of requiring it to poison a dog.—A verdict of wilful murder against the mother was returned at the inquest on the illegitimate infant daughter of Letitia Key. The mother administered laudanum to herself and the child, but only the latter died.—William Sherwood, Master of the Malton Workhouse, committed suicide by taking carbolic acid owing to his losses by gambling. Deceased attempted to obtain two shillingsworth of opium from a local chemist "for experimenting on plants," but without success. However, Mr. G. P. Thompson, chemist and druggist, of Messrs. Wray & Thompson, chemists, Malton, supplied him with an 8-oz. bottle of crude carbolic acid to be put down to the workhouse account. At the inquest the jury stated that "the firm of chemists had not acted carefully in supplying crude carbolic acid without the doctor's orders."—Carbolic acid poisoning also caused the self-inflicted death of John Soul (65), of Liverpool, who was found dead in bed with a bottle of acid near at hand.—Another fatality with carbolic acid is also reported from Liverpool, a young girl named Alice Hazel, who was depressed owing to being discharged from her employment in a restaurant, taking this poison with suicidal intent.—Oxalic acid was the agent used for self-destruction by a grocer named Charles Frederick Rush (35), at Kirkley.—A Derby stonemason named Frederick Tinkler (39) died in the local infirmary from the effects of spirit of salt poisoning.—A schoolboy named Geo. F. Staley (8) died at Burton-on-Trent in consequence of eating deadly nightshade berries.

Illegal Possession of Cocaine.—Adam Khudabux, a Mahomedan, was fined Rs. 35, at the Bombay Police Court, for possessing a quantity of cocaine in excess of that allowed by law. Mahomed Yusuf Sajan, a Mahomedan boy, was also charged at Bombay with selling 6 gr. of cocaine, and with being in possession of 8 gr. of the drug, without a licence. He was sentenced to one day's imprisonment and to pay a fine of Rs. 25 on the first charge, and to pay Rs. 15 on the second charge.

Optical Observations.

(By a Chemist-Optician.)

Colour-blindness.

Dr. G. Arbour Stephens makes an interesting communication to the "British Medical Journal" in reference to a theory he has advanced of colour-vision. He contends that the cells of the retina move in one direction in response to a red stimulus, and in another direction to blue, while failure to move in any certain direction means failure to convey to the brain the result of a colour-stimulus. With regard to the sensation of white he holds that colour-blind persons respond to that sensation because the total or complete movement of the cells is produced by a process of contiguity which overcomes a sluggishness of response to any individual colour. Anything that would improve the movements of the cells ought to have the effect of stimulating the retinal cells to more ready response to colour-sensations; and as the calcium salts have that stimulating effect on the body cells he concluded that a big dose of calcium lactate ought to remove colour-blindness, if only temporarily. Dr. Stephens has tried the salt in three cases, and the results confirm his surmise—the colour-test in persons who had been previously found to be colour-blind was found to yield a better response.

Objections to Wearing Glasses.

A Question which is frequently asked by customers when being fitted is whether by constantly wearing glasses for a time they will be able to leave them off. A number of people have a great objection to wearing spectacles, under the impression that it either detracts from their personal appearance or is a sign of increasing age which might tell against them in their business. Another very common impression is that the defect is due to a passing ailment or weakness alone, and that if the glasses are worn constantly for some time the vision will get better and eventually the spectacles can be dispensed with. Questions of this kind require a good deal of tact to answer satisfactorily, as I have known people with hyperopia of low degree absolutely refuse to wear glasses on being informed that they would never be able to leave them off. The argument generally used is that since the customer has managed all right without glasses for so many years and can see very well at a distance it cannot be necessary to wear glasses always. Explanations as to the true cause and effect of eye-strain are often of no avail in overcoming these objections. On the other hand, people with myopia not exceeding two or three dioptres frequently find an improvement in the sight with advancing age, due to the fact that the myopia is counteracted by the increasing presbyopia and also because the pupil tends to get smaller. In these cases it is permissible, provided that the customer has passed the growing age and there is no fear of the myopia being progressive, to inform him that there is a possibility of an improvement in course of time. One should always be careful to explain why it is so. The majority of people grasp a simple explanation very readily and obtain a better opinion of the knowledge and capability of their optician.

Bifocal Lenses.

In "The Chemist Optician" (p. 9) there is a paragraph dealing with bifocal lenses, in which is a reference to the Borsch lenses made in Philadelphia, consisting of a distance-lens having the surface cut away, so that the segment for the reading-lens can be inserted and welded by heat. This process is now being worked in England on a commercial scale by Kryptok, Ltd., and an interesting paper on the subject was recently read by their manager, Mr. Val. H. Mackinney, on the properties of these lenses, which is full of information to the optician who wishes to keep himself *au fait* with new ideas. Bifocals from their construction have always presented some disadvantages which have prevented them gaining as much popularity as they might otherwise have done. There is no question of the convenience of bifocals to anyone who is obliged to wear different corrections for near or distant vision. In the old type of split bifocals, where there were two segments joined with either a straight or a curved joint, in the course of everyday wear this joint gradually collected dirt, which, besides looking unsightly, is an annoyance to the wearer, as a black line shows in the field of vision. Then came the type with the segment cemented on, but this, again, has the objection that the segments are liable to become detached, necessitating re-cementing. Sometimes this happens repeatedly to the same glass. I have seen the same customer back three or four times with this trouble, which not only is annoying, but gives the customer a poor idea of the business capabilities of the optician. The new system of welding by heat will do away with these troubles. There still, however, remains an objection which is very serious, and cannot be overcome so easily; that is the fact that when the wearer is going downstairs, or is looking on the ground at his feet, he is looking through the lower half, or reading-segments, of the glasses, instead of through the distance-half, as he should be doing. This may lead to unpleasant results in use, especially as the wearers of these glasses are generally people advanced in life, who have to be careful of their steps. When fitting bifocals it is a necessary part of the optician's duties to warn his customer of this point to save him from a probable accident.

Practical Notes and Formulae.

For the "Canadian Formulary."

The "Canadian Pharmaceutical Journal" states that the following formulas are recommended by the Toronto Section for inclusion in the "Canadian Formulary":

Lotio Sulphuris Compositus.

Compound Sulphur Lotion.

(*Alba Sulphide.*)

Sulphate of zinc	20 dr.
Sulphuretted potash	20 dr.
Precipitated sulphur	20 dr.
Glycerin	20 fl. dr.
Rose-water	sufficient to make 80 fl. oz.

Dissolve the sulphate of zinc in 20 fl. oz. of rose-water and filter. Dissolve the potassium sulphuret in 20 fl. oz. of rose-water and filter. Mix the two solutions by pouring carefully the solution of zinc sulphate into the solution of potassium sulphuret. Rub up the sulphur with the glycerin, then add the mixed solution and sufficient rose-water to make 80 fl. oz.

Syrupus Pruni Virginianæ, Olei Morrhuæ et Malti.

Syrup of Wild Cherry, Cod-liver Oil, and Malt.

Cod-liver oil	40 fl. dr.
Extract of malt	40 fl. dr.
Glycerin	1 fl. oz.
Powdered acacia	1 oz. (avoir.)
Oil of peppermint	¼ fl. dr.
Syrup of wild cherry	sufficient to make 80 fl. oz.

Mix together the two oils and prepare an emulsion by rubbing up with the acacia, adding 6 fl. oz. of syrup of wild cherry. Mix together the extract of malt, glycerin, and balance of wild cherry, add to the emulsion, and triturate well, adding syrup of wild cherry sufficient to make 20 fl. oz.

Syrupus Thymi Compositus.

Compound Syrup of Thyme.

(*Pertussin.*)

Liquid extract of garden thyme (vulgare)	8 fl. dr.
Liquid extract of wild thyme (serpyllum)	8 fl. dr.
Alcohol (90-per-cent.)	4 fl. dr.
Potassium bromide	200 grains
Simple syrup	60 dr.
Distilled water	4 dr.

Each drachm contains approximately 2⅔ grains potassium bromide.

The Revocation of the Euchinin Patent by the Italian Government is based on the provisions of the law of October 30, 1859, and the regulations of January 31, 1864, according to which no patent can be granted for any medicines, and any patent granted of this nature is null and void.

Trade Report.

NOTICE TO BUYERS.—The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers stock the goods. Qualities of drugs and oils vary greatly, and higher prices are commanded by selected qualities even in bulk quantities. It would be unreasonable for retail buyers to expect to get small quantities at anything like the prices here quoted.

42 Cannon Street, London, E.C., October 21.

THE reports in regard to business have been of a more encouraging nature this week, and in several directions there has been some expansion from the hand-to-mouth trading. Prominent among the price alterations is a 5*s*. advance in quicksilver, which was immediately followed by one of 1*d*. per lb. in mercurials. The convention price of glycerin has been advanced 50*s*., but refiners are not sellers at the enhanced rates, and the tone continues "bullish." Opium has had a further rise in Smyrna on account of continued American buying, and makers of morphine salts have added another 3*d*. to their prices, but are not free sellers. Codeine was expected to follow this advance, but at the time of writing it has not materialised. Santonin is firm but unaltered, first hands being without offers. Quinine is quite unaltered; the Malaria Conference at Simla lends a sentimental interest to the article. In the drug and essential oil section a feature has been the advance in American HGH peppermint oil, Wayne County being firm, while Japanese dementholised has not moved. Menthol has an easier tendency on the spot. Genuine cubebs are exceedingly scarce. Chamomiles are about steady, with an absence of good white. Milk-sugar is fairly brisk. Castor oil is firmer, and shellac is lower. An auction of first-hand drug is reported, and the price-movements are tabulated below:

Higher	Firmer	Easier	Lower
Glycerin	Aloes (Curaçao)	Aloes (Cape)	Cascara sagrada
Mercurials	Aniseed	Aloin	Shellac
Morphine salts	Balsam (Peru)	Ammonia sulphate	
Opium	Castor oil	Menthol	
Quicksilver	Honey	Oxalic acid	
	Linseed	Senna (Ty. and pods)	

Cablegrams.

Smyrna, October 16:—Large sales of opium have been made on United States account at up to 16*s*. per lb. for 11 per cent. morphine.

New York, October 21:—Business in drugs is good. Opium shows a further advance, to-day's quotation for druggists in single cases being $5.10. The situation in peppermint oil in tins is nominal. Domestic refined camphor has been reduced to 45c. Quicksilver is dearer. Damiana-leaves are steady at 18c. Hydrastis (golden seal) is quoted at $2. Senega is firm at 52c., and cascara sagrada is dull at 8c. per lb.

Smyrna, October 21:—Further sales of opium amounting to 100 cases have been made on American account at from the equivalent of 15*s*. 6*d*. to 16*s*. 6*d*. per lb. The market is expected to go to 18*s*. to 19*s*. as buyers are eager, and stocks are becoming exhausted.

Java Quinine.

The report of the Bandong quinine factory for 1908 states that 1,020,917 kilos. of cinchona was worked during the year, containing 61,582 kilos. quinine sulphate, or, after deduction of waste, 58,619 kilos. Of the quinine produced the Government of Netherlands India, received 18,929 kilos. The balance was sold in auction at Batavia and settled with the private planters. The price at which the factory account closed for the delivered bark with the contracting parties was based on a payment of 7.50fl. for the quantity of bark required for one kilo. quinine sulphate, so that these undertakings enjoyed considerably more benefit by delivering to the factory than by shipment to Europe, as the price of bark on the Amsterdam market declined to about 3.15c. per unit. The production of cinchona appears to exceed the world's consumption, and, moreover, it is said that the quinine makers in Europe and America have formed a combination which fixes the price at the Amsterdam auctions. This combination, it is rumoured, buys up all the bark offered for sale, and thus makes a reserve, enabling it to abstain from buying for a long time if planters try to command higher prices or refuse to sell on the present low basis. However, it is not impossible that the contrary will occur, and that buyers will have to pay much higher prices in order to encourage production. On many cinchona plantations plans are already in operation to cultivate tea instead of bark. The working account shows a profit of 104,492fl., out of which a sum is proposed for writing off, and the balance allows a dividend of 10 per cent. to be paid to shareholders.

London Markets.

Acid, Oxalic, is easier at from $2\frac{7}{8}d$. to 3*d*. per lb. net.

Alcohol.—The price of German potato spirit is about $2\frac{3}{4}d$. above the parity of British spirit, the quotation of the "Centrale" for export being equal to 1*s*. 2*d*. per pf. gal. c.i.f. London for 56 and 68 o.p. quality.

Almonds.—At auction 41 boxes of bold Jordan were offered, and 13 sold at 8*l*.; 50 bales Majorca sold on account of whom it may concern at 99s.

Aloin of English make is quoted 3*s*. 3*d*. per lb.

Aniseed is dearer; 23*s*. per cwt. is the quotation for Russian, 21*s*. for Levant, and 37*s*. 6*d*. for Spanish.

Belladonna-root.—Privately new foreign is quoted 55*s*. c.i.f. In auction 11 bales English (testing 0.39 per cent. of alkaloids) were offered, but no bid was made.

Chamomiles are practically unaltered, the price of good white Belgian, of which few are to be had, being about 95*s*., and for brown thirds from 60*s*. to 65*s*. is quoted. In the drug-auctions 40 bales were offered and bought in, including fair whitish new crop, the limit for which was 90*s*., a bid of 82*s*. 6*d*. being refused, and for brownish old crop 57*s*. 6*d*. was refused.

Camphor (Refined) is in rather more inquiry, the sales including $\frac{1}{4}$ oz. for December-January shipment at 1*s*. $7\frac{1}{4}d$. to 1*s*. $7\frac{1}{2}d$. c.i.f.; sellers of slabs ask 1*s*. $6\frac{1}{2}d$. c.i.f. In the drug-auction five cases of $\frac{1}{4}$-oz. Japanese tablets sold at from 1*s*. 7*d*. to 1*s*. $7\frac{1}{2}d$. per lb. net, no discount; five cases in another interest were held at 1*s*. 8*d*. net.

Cinchona.—At auction on Tuesday the small supply of 63 bales African, 72 bales Java, and 18 bales Ceylon was offered, and sold at the unaltered unit of $\frac{9}{16}d$. per lb. *African*: Red broken quill and chips sold at $3\frac{1}{4}d$. to $3\frac{1}{2}d$. *Java*: Ledgeriana, stem chips, 4*d*.; branch ditto, $1\frac{7}{8}d$. *Ceylon*: Succirubra, stem chips, $2\frac{3}{8}d$. The exports from Java to Europe during the first half of October amounted to 885,000 Amst. lb., against 794,000 Amst. lb. for the corresponding period of 1908. At the Amsterdam auction to be held on November 4, 8,588 packages Ledgeriana and hybrid and 785 cases and 848 bales Succirubra will be offered, or 10,221 packages in all, the total weight of the bark being about 866,789 kilos. The stock in first hands in Amsterdam on October 14 consisted of 4,050 packages Government and 15,356 packages private bark, or 19,406 packages, against 20,755 packages on September 9 last. At the drug-auction 20 serons of good Loxa quill, mostly broken, sold at 11*d*., and 8*d*. for slightly water-damaged. Fifty-six bales of good Bolivian cultivated Calisaya were offered, but only damages sold at 3*d*., sound being held for 7*d*., a halfpenny less being refused; several of the sound lots were disposed of privately.

Coca-leaves.—At the Amsterdam auction on November 4, 178 packages Java coca-leaves will be offered, weighing 11,498 kilos.

Cocaine.—There is practically no demand for the hydrochloride, and makers' prices are more or less nominal. The general asking rate is about 7*s*. 6*d*. per oz. net. In the United

States an advance of 25c. took place early this month owing to the strong position of crude.

Codeine.—There has been some talk of an advance following on that of morphine, but so far prices are unaltered on the basis of 10*s*. 6*d*. per oz. for pure cryst.

Copper Sulphate.—The London quotation is unchanged at 18*l*. 15*s*. per ton, in Liverpool 18*l*. 5*s*. is quoted, and January-April delivery 19*l*. to 19*l*. 2*s*. 6*d*.

Coriander-seed.—At the spice-auction 25 bags English were bought at 15*s*.

Ergot is steady, with only small lots offered on the spot at 1*s*. 7½*d*. to 1*s*. 8*d*. for Spanish and 1*s*. 5½*d*. to 1*s*. 6*d*. for Russian; for distant shipment, such as November-January, new crop is quoted 1*s*. 2¾*d*. to 1*s*. 3*d*. c.i.f, but no business has been done. In the drug-auctions eight bags of good sound Spanish were held at 1*s*. 8*d*.

Fennel-seed is scarce, and 22*s*. per cwt. is wanted for parcels to arrive, c.i.f. terms.

Galls.—Fair spot sales of Persian blue have been made at 64*s*. to 65*s*. for medium quality, fine being held for 70*s*.; for shipment 64*s*. c.i.f. is quoted for blue. Green and white are unchanged.

Ginger.—Quiet. At auction about 280 packages of Cochin and Calicut were offered and 110 sold, mostly without reserve, at 41*s*. 6*d*. for brown rough Calicut, at 42*s*. 6*d*. for washed Cochin of new crop, and 41*s*. 6*d*. for medium and small old crop. Unsorted native cut was bought in at 55*s*. to 56*s*.

Glycerin.—Practically all the refiners of double-distilled s.g. 1.260 advanced their home prices by 2*l*. 10*s*. per ton to 37*l*. 10*s*. per ton naked in 5-ton lots; but this advance is purely nominal, and it is reported that orders have been declined at 90*l*. A meeting of the refiners is to be held probably in Liverpool, in a few days, when the above advance will be officially confirmed. The outlook is still for higher prices, as there is practically nothing available for prompt delivery.

Linseed is again dearer; on Wednesday 58*s*. per quarter was paid for good clean seed.

Mercurials.—Owing to the advance in quicksilver the makers of mercurials have raised their prices by 1*d*. per lb. The list prices and of lots below 2 cwt. are as follows: Hyd. bichlor. 2*s*. 7½*d*., hyd. chlorid. 2*s*. 11½*d*., hyd. nit. oxid. 3*s*. 2½*d*., hyd. oxid. flav. 3*s*. 5*d*., hyd. præcip. alb. 3*s*. 3*d*., hyd. sulph. alb. 2*s*. 7½*d*., and hyd. sulph. nig. 2*s*. 7½*d*. per lb., with the usual reduction for larger quantities. The several recent advances in quicksilver appear to warrant a greater increase than 1*d*., and, as the market is very firm, any further advances in the metal would at once affect the quotations for mercurial salts.

Milk-sugar.—A fairly brisk spot demand is reported, up of 41*s*. having been paid for American, while some of the Continental makes can be had at slightly below this figure.

Morphine.—In consequence of the continued advance in opium, makers have raised the price of morphine salts 3*d*. per oz., quoting hydrochloride powder at from 7*s*. 3*d*. to 7*s*. 6*d*. per oz.; but in view of the strong position of opium makers are understood to be unwilling sellers, and it is doubtful if they would book 1,000 oz. at the outside figure. In second-hands a good business has been done, the chief sale being one of 3,000 oz. at a secret price.

Oil, Bergamot.—An advice from primary sources states that business generally is slow, although at the reduced prices the demand has improved somewhat; from 15*s*. 3*d*. per lb. c.i.f. London is quoted.

Oil, Castor, is firmer. Hull make is quoted at 27*l*. 10*s*. for first-pressing for November-December, and 26*l*. 10*s*. for January-June 1910, delivered free on wharf London. Belgium firsts is quoted 27*l*. 10*s*. for prompt and 1*l*. less for delivery up to June 1910, ex wharf London.

Oil, Lemon, is attracting more interest, as the time for contracting for new-crop oils is now close at hand. It is said that in some districts the new crop will be smaller than last year, but this shortness may occasionally be compensated for by accidental occurrences, such as a smaller export of fresh fruit in boxes or such weather conditions as will render the fresh fruit unfit for export. An advice from Palermo, dated October 9, states that the fact that the lemon-oil market was almost cleared of parcels in weak holders, hands has given a better tone to the market, inasmuch as an advance has been paid to the larger holders who prefer to sell small lots in preference to larger parcels. The position generally is firm, and holders are endeavouring to transfer this better feeling to new-crop oil: from 2*s*. 11*d*. per lb. c.i.f. London is quoted for December or January to June 1910 shipment.

Oil, Lemongrass.—Privately the market is steady at from 2½*d*. to 2½*d*. per oz.

Oil, Turpentine, is practically unchanged on the week, American closing at 41*s*. 3*d*. spot.

Opium.—It will be noted from our Smyrna cable that American buying at advancing rates is again a feature, and it would appear from the way in which the arrivals from the interior are being absorbed that there will be a squeeze during the next two or three months. The business done includes Turkey druggists' at 15*s*. per lb.; but sellers refuse to go on at this figure. On the spot good Turkey druggists' is worth 16*s*., for inferior ditto 15*s*. has been paid, and small sales of Tokat have been made up to 17*s*. per lb. Of Persian opium the market is extremely bare, there being only about eight cases available, and these of low quality; to arrive November-December shipment is quoted at 16*s*., and an offer of 15*s*. 6*d*. has been refused.

A Smyrna correspondent writes on October 9 that the market from September 25 to October 2 was quiet owing to the fact that buyers were asking concessions in price, whereas holders wanted 136 piastres for "extra" Karahissar, this being the last price at which business was done. As this inactivity did not inspire confidence, native speculators eased their rates, selling 6 cases extra Karahissar at 131 piastres, or 14*s*. 1*d*., and 11 cases Bogaditz at 133p. to 134p., or 14*s*. 3*d*. to 14*s*. 4*d*. c.i.f. European ports. This week, on the contrary, the market has been very active. Many consumers have been operating, and it lay in the hands of holders to raise the prices; however, they showed themselves conciliatory, and facilitated the execution of all the orders which came in, only exacting a slight increase. The sales comprise 151 cases extra Karahissar at from 131 to 138 piastres, or at the equivalent of from 14*s*. 1*d*. to 14*s*. 10*d*. c.i.f. Market closed firmly with buyers. The arrivals amount to 1,484 cases, against 1,791 cases last year at the same date.

Otto of Rose.—The "Nachrichten für Handel und Industrie" (Berlin) of October 1, quoting from a report (dated September 10) by the German Consul-General at Constantinople, states that the yield of oil of rose in Turkey this year is very satisfactory. According to one estimate, it is about 3,000 kilos., as compared with 2,000 kilos. last year, while other estimates place the yield this year as high as 5,000 kilos.

Quicksilver.—Owing to an active demand the principal importer raised his price twice on Wednesday, first to 8*l*. 15*s*. and subsequently to 8*l*. 17*s*. 6*d*.—an advance of 5*s*. in all. Mercurials have been raised 1*d*. per lb.

Santonin.—The position in Hamburg is indicated in our Continental markets, the outstanding feature of which is that the withdrawal of offers by the makers still continues. On the spot the few holders ask from 33*s*. to 35*s*. per lb., but it is readily understood that the quantity offered is quite retail, and in some instances a few pounds only.

Senega.—The arrival of several parcels on the spot has not altered the general position, several holders maintaining their price at 2*s*. 3*d*., and in one instance an agent has been instructed to hold for 2*s*. 6*d*. In the drug-auction three bales of fair quality were limited at 2*s*. 2*d*. Thirteen bales have arrived from Montreal.

Shellac.—At auction 505 packages were offered, and sold without reserve at a decline of 2*s*. to 3*s*. for second orange TN, of which the bulk consisted. No fine was offered. Good bright TN second orange realised 66*s*., middling to fair free 63*s*. to 65*s*., bright reddish matted to hard cakey 61*s*. to 63*s*., flat slightly matted 62*s*., reddish blocky to pale 60*s*. to 63*s*. Of Button 59 cases offered and sold, including palish pure free 80*s*. to 82*s*., slightly cakey fine firsts 75*s*., good pale free ditto 73*s*., palish free 67*s*., dark thirds 57*s*., common dark blocky 33*s*., and cakey black Kala at 43*s*. Privately the market has been dull, the value of fair free TN orange being 65*s*. to 66*s*. For arrival a fair business has been done in TN for October-December shipment at 65*s*., and January-February at 66*s*. c.i.f.

Spermaceti.—American refined is quoted at 1*s*. 2*d*. and English at 1*s*. 1½*d*. per lb.

Thymol is firm at 6*s*. per lb.

Turmeric.—Small sales of Madras finger have been made at from 17*s*. to 17*s*. 6*d*. spot. Bengal is scarce on the spot.

Vermilion follows the advance in mercurials by 1*d*. per lb. also.

London Drug-auctions.

At the auction of first-hand drugs to-day there was a better demand than usual, and a fair proportion of the goods offered was sold. Cape aloes is scarce at the moment, but for the indifferent quality offered easier rates were paid. Curaçao aloes in boxes, on the other hand, was firmer. Buchu, although more plentiful, was fully steady. Sumatra benzoin is easy. Cascara sagrada sold at lower rates, and for cardamoms, which met with a fair demand, prices were irregular, medium and bold sizes being higher, while small and medium were cheaper. Gamboge is quiet. West Indian honey is scarce, and brought firm prices. East Indian ipecacuanha of good quality brought a considerable advance over the rates asked for Matto Grosso. Kola is about steady. Menthol was forced off at lower prices. Rhubarb was more active, and the rates for Tinnevelly senna tended easier, pods being ¼*d*. cheaper. Sarsaparilla was steady, and Beeswax showed little alteration, Australian of fine quality being full up. The following table shows the quantity of goods offered and sold:

	Offered	Sold
Accroides	42	0
Albumen (egg)	14	0
Aloes—		
Cape	11	11
Curaçao (boxes)	40	40
Socotrine (kegs)	10	0
Zanzibar (cs.)	14	0
Aniseed (Russ.)	20	0
Asafetida	2	2
Balsam (Peru)	8	0
Balsam (Tolu)	10	0
Belladonna-root	11	0
Benzoin—		
Siam	12	4
Sumatra	146	34
Buchu	32	20
Calabashes (box)	1	0
Calumba	15	0
Camphor—		
Jap. ref.	6	5
Cardamoms	233	156
Cascara sagrada	616	114
Cascarilla	13	0
Chamomiles	66	0
Cinchona	76	26
Civet (horns)	4	0
Coca-leaves	23	19
Cochineal	8	0
Colocynth and pulp	27	2
Copaiba	1	1
Coriander-seed	40	0
Croton-seed	18	18
Cubebs	17	0
Cuttlefish-bone	20	0
Dandelion	8	0
Digitalis	4	4
Dill-seed	20	0
Ergot	8	0
Fenugreek-seed	20	0
Galls	1	1
Gamboge	10	0
Gentian	20	20
Gentian (pdr.)	40	40
Gum arabic	134	54
Honey—		
Calif	5	0
Jamaica	52	47
St. Lucia	111	111

	Offered	Sold
Ipecacuanha—		
Cartagena	8	0
East Indian (Johore)	21	21
Minas	1	1
Kino	15	0
Kola	38	25
Lime-juice	14	0
Menthol	20	15
Musk (caddies)	9	0
Myrrh	28	0
Nux vomica	397	0
Oil—		
cinnamon-bark	4	4
cinnamon-leaf	6	0
cod-liver	10	0
eucalyptus	17	0
lemon	10	0
lime	26	*8
peppermint (Jap)	15	0
Orange-peel	33	0
Orris (Mog.)	15	7
Quillaia	40	*40
Rhubarb (China)	27	27
Sandarac	6	0
Sarsaparilla—		
Grey Jamaica	14	14
Guatemala	37	0
Honduras	10	0
Lima Jam.	9	9
Mexican	16	0
Native Jam.	14	5
Senega	3	0
Senna and pods—		
Alex.	5	0
Tinnevelly	404	385
Squill	6	0
Sticklac	76	0
Tamarinds	61	0
Turmeric	181	0
Wax (bees')—		
Abyssinian	239	35
Australian	11	11
East African	13	0
East Indian	58	0
Jamaica	13	1
Madagascar	111	25
Zanzibar	148	0

* Sold privately.

Aloes.—A parcel of 11 cases Cape (Mossel Bay) of indifferent quality, all that offered, sold on 20 per cent. tares, at 30*s*. for fair bright slightly soft, 29*s*. for dullish soft and drossy, and 28*s*. for drossy soft and mixed with sand. Ten kegs Socotrine were retired at 92*s*. for good. Forty boxes Curaçao sold at from 53*s*. 6*d*. to 54*s*. for fair liver, a little coarse, 48*s*. for darkish livery, 36*s*. for ordinary dark, 33*s*. 6*d*. for fair capey, and 32*s*. for livery and capey mixed.

Balsam Peru.—Holders of genuine, of direct import, are asking 7*s*. per lb. Eleven packages have arrived from Acajutla.

Balsam Tolu.—Ten cases of large tins, slightly soft, part dark, and of fair flavour were held for 10*d*., a bid of 9*d*. being refused.

Benzoin.—Interest centred in the sale of 79 cases Sumatra, 26 cases of which sold at from 95*s*. to 97*s*. 6*d*. (two lots), of fair streaky thirds with false-packed ends; 87*s*. 6*d*. was refused for common thirds with practically all small almonds. Eight cases of fair almondy seconds sold at 6*l*. 10*s*., and 4 cases of Siam sold at from 6*l*. to 7*l*. for hard glassy block of weak flavour; for 3 cases of very small weak siftings 7*l*. 17*s*. 6*d*. was refused, 9*l*. being the limit, and for 5 cases brown blocky dust 90*s*. was wanted.

Buchu was fully steady in spite of the increased quantity offered, and towards the end of the sale prices were higher (considering the quality) than at the beginning of the sale. Round green sold at from 1*s*. 6*d*. to 1*s*. 8*d*. for fair to good; slightly yellowish ditto, 1*s*. 5*d*.; round yellow, 1*s*.; green longs, 11*d*.; yellow, 6*d*.; green ovals, 10*d*. to 10½*d*.; and low, 2*d*. per lb. Five bales of mostly good green round were bought in at 1*s*. 8*d*., a private bid of 1*s*. 5*d*. having been refused for the pile.

Cardamoms met with fair competition at somewhat irregular rates, medium and bold sizes being firmer, while small and medium were cheaper. The following rates were paid: Ceylon-Mysores, good bold dullish to pale, 2*s*. 3*d*. to 2*s*. 5*d*.; medium and bold palish to pale, 2*s*. to 2*s*. 1*d*.; bold medium ditto, 1*s*. 10*d*. to 1*s*. 11*d*.; small and medium ditto, 1*s*. 8*d*. to 1*s*. 9*d*.; small, 1*s*. 4*d*. to 1*s*. 6*d*.; tiny, 1*s*. 3*d*.; brown, split, and pickings, 1*s*. 2*d*. to 1*s*. 4*d*.; ordinary to fair seed, 1*s*. 7*d*. to 1*s*. 8*d*. Bold splits, pale, 1*s*. 8*d*. to 1*s*. 9*d*.; medium and bold ditto, 1*s*. 7*d*. Twelve cases of small and medium green Aleppy were held for 1*s*. 4*d*.

Cascara Sagrada.—A lot of 114 bags of 1906 crop sold without reserve at from 33*s*. to 34*s*. per cwt.

Coca-leaves.—Sixteen cases of Ceylon-Huanuco sold at 10¾*d*. for ordinary brownish.

Colocynth.—Small sales of Turkey apple, which has been scarce lately, were made at 1*s*. per lb. for good. The price of Turkey *pulp* is 8*d*.

Copaiba.—A single cask of thin, opaque Cartagena balsam sold at 1*s*. 5*d*. for ullaged.

Croton-seed, a scarce article, sold at from 47*s*. 6*d*. to 49*s*. for fair Ceylon.

Cubebs.—A lot of 17 bags was offered without reserve at the close of the auction, and a bid of 55*s*. (which was not accepted) was made as the broker was leaving the rostrum. The parcel in question was of spurious quality, and similar in character to false cubebs, which were described in these columns several years ago. With present prices and shortage, small wonder is it that such lots are "dug up" from old stock.

Digitalis-leaves.—Four bags of English sold at 72*s*. 6*d*. per cwt. net and gross for net.

Gamboge.—A single case of good Siam pipe, slightly blocky, was held at 14*l*., at which small private sales have been made.

Gentian.—Twenty bags of fair sold without reserve at 18*s*. per cwt., no discount gross for net. Forty bags of English ground powder, guaranteed genuine, sold at 20*s*. 6*d*. per cwt.

Gum Arabic.—Fifty-one bags of Soudan palish soft sorts sold with all faults at 36*s*., and at 31*s*. for half-hard sorts; yellow and amber Soudan sorts sold at 28*s*.

Honey sold at rather firmer rates, 52 packages Jamaica, all that offered, realising 25*s*. to 26*s*. for dark to darkish brown liquid in barrels; 13 cases yellowish set realised 32*s*. 6*d*.; 111 cases St. Lucia sold at from 20*s*. to 22*s*. 6*d*. for common brownish to fair liquid, these low prices being accepted on account of the fact that the parcel was said to have been tainted with paraffin oil, as the result of faulty packing, and in consequence no claims would be allowed. One lot of fair clear liquid sold at 24*s*. 6*d*.

Ipecacuanha.—The interest centred in 21 bales of East Indian just arrived, which met with a good market at from 6*s*. 4*d*. to 6*s*. 6*d*. per lb. for uniform quality, consisting of well-annulated native picked root, and for a bale of siftings 5*s*. 11*d*. was paid. These prices are from 6*d*. to 8*d*. above

those of Matto Grosso, none of which was offered to-day. A further 20 bales East Indian are on the way. Cartagena is held for 4*s.* per lb., but no sales were effected. A small bale of very lean bright Minas sold at 4*s.* 7*d.*

Kola.—About steady; 21 bags sold without reserve at 3½*d.* for good bright halves, and at 3¼*d.* for fair ditto, usual terms; a single bag of fair small Trinidad sold at 2½*d.*

Lime Juice.—Neglected. Fair palish raw West Indian was bought in at 1*s.* 2*d.* About 400 packages have arrived from the West Indies.

Menthol.—At auction five cases of Kobayashi slightly blocky crystals sold at from 7*s.* 9*d.* to 7*s.* 10*d.*, and for ten cases Suzuki from 7*s.* 8*d.* to 7*s.* 9*d.* (one lot) was paid, being 8*d.* to 9*d.* lower than the rates asked privately, the sales for arrival including Kobayashi at 7*s.* 6*d.* c.i.f. for December-January shipment. It is stated that the crop of menthol will not exceed 1,000 cases.

Nux Vomica.—Good bright Cochin (397 bags) were held for 9*s.* per cwt.

Oil, Cinnamon.—Four cases of Ceylon *bark* sold without reserve at 2½*d.* per oz. for weak, and six cases Ceylon *leaf* were bought in at 2½*d.*

Oil, Lime, arrivals of which are plentiful, was all bought in, including good 1*s.* 8*d.* per lb.

Oil, Peppermint.—Five cases Japanese Kobayashi were held at 5*s.* 9*d.*, and a lot of 10 cases Suzuki was withdrawn, as the parcel had not arrived. Privately there has been a fair demand for American H.G.H. at firmer rates, from 10*s.* 6*d.* to 10*s.* 9*d.* having been paid, with 11*s.* asked at the close; but probably a seller would still be found at 10*s.* 9*d.* Wayne County is firm at from 8*s.* 6*d.* to 8*s.* 9*d.* spot.

Orris.—Fair bold Mogador was retired at 35*s.*, a bid of 27*s.* 6*d.* being refused; four mats of leanish sold at 25*s.* Three serons of partly damaged Mogador sold at from 20*s.* to 25*s.*

Rhubarb was in better demand than usual, all the offerings (25 cases) being disposed of. Bold flat High-dried, with three-quarters very good pinky fracture, sold at 1*s.* 1*d.*, and the same price was paid for small and medium from another catalogue. Five cases small and medium flat Canton, with three-quarters fair pinky fracture, part rough and part pickings, sold at 11*d.* The following sold without reserve: Three cases small and medium flat High-dried, dull coat with three-quarters fair pinky fracture, at 1*s.*, and six cases of medium and bold round horny, fair coat and three-quarters good pinky fracture, 5¾*d.* per lb.

Sarsaparilla.—Steady. Fourteen bales of grey Jamaica sold at 1*s.* 2*d.* for fair and at 1*s.* 1*d.* for slightly coarse. Of 14 bales native Jamaica offered, five sold at from 10*d.* to 11*d.* for fair red. Nine bales of fair Lima sold at 1*s.*, and for roughish 11*d.* was paid. Sixteen bales of Mexican were bought in, and for 37 bales of Guatemala, partly mixed with Mexican of ordinary quality, 9*d.* was wanted.

Senna.—The tendency of Tinnevelly leaf senna was easier generally, while pods were ¼*d.* cheaper. Bold greenish leaf sold at from 4*d.* to 4¼*d.*, medium ditto 3*d.* to 3½*d.*, small ditto 2½*d.* to 2¾*d.*, ordinary yellowish and specky 2*d.* to 2¼*d.* per lb. *Pods* sold at from 2¾*d.* to 3*d.*, the bulk at the lower figure. Five bales of inferior yellowish Alexandrian siftings were limited at 2¼*d.*

Tamarinds.—Fifty casks East Indian were retired at 13*s.*

Wax, Bees'.—Quiet. Of Madagascar 20 mats sold at 6*l.* 12*s.* 6*d.* per cwt. subject for good even brown block, 6*l.* 12*s.* 6*d.* was accepted for 3 bags fair and 6*l.* 10*s.* for 2 bags of dark; 148 packages Zanzibar offered, a pocket bid of 6*l.* 10*s.* being refused for the lot; 239 bags Abyssinian were also offered, of which 35 sold at 6*l.* 12*s.* 6*d.* for fair block, and at from 95*l.* to 100*l.* for inferior; nine cases good Australian realised 7*l.* 17*s.* 6*d.*, being "full up." Jamaica did not sell, 8 barrels being held at 8*l.*, and a single barrel realised 7*l.* 15*s.* for fair brown.

Manchester Chemical-market.

October 20.

There has been rather slow demand for heavy chemicals for home consumption, but on export account it is well maintained. Caustic soda for next year's delivery is a shade quieter, but for prompt delivery 70-per-cent. is quoted, 9*l.* 17*s.* 6*d.* per ton, on rails, at works. Bleaching-powder is nominal at from 4*l.* 2*s.* 6*d.* to 4*l.* 5*s.* per ton for softwood casks on rails. Ammonia alkali (48-per-cent.) remains firm, and other sorts are steady. Sulphate of copper continues disappointing to holders. For prompt delivery, 18*l.* 12*s.* 6*d.* to 18*l.* 17*s.* 6*d.* per ton is quoted, and for spring delivery 19*l.* 5*s.* to 19*l.* 7*s.* 6*d.* Manchester. Caustic potash is firm. Acetate of lime is steady at late rates. Sulphate of iron (green copperas) in bulk is quoted 25*s.* to 30*s.* per ton Manchester. Cream of tartar and acids are quiet. Coal-tar products are dull generally. Sulphate of ammonia prompt is 10*l.* 18*s.* to 11*l.* per ton on rails Manchester. Creosote 2⅛*d.* There is not much change in naphthas, and the demand is slow.

Continental Markets.

Ergot.—The report that the crops in Russia are plentiful and good seems to be confirmed in Hamburg, and the fall of prices is thus explainable. The cheaper offers which have been recently made were taken up by consumers, and for October delivery from the Interior 2.70m. and 2.75m. per kilo is asked. Offers under these prices were left unanswered by Russian holders. Spot (Hamburg) goods are still scarce, and the prices asked of from 3m. to 3.10m. have been accepted.

Potash Bichromate.—The convention which was formed some time ago is said to have been recently joined by some makers who had been keeping aloof. The market has now only to reckon with the considerable supplies in second-hands, which are offered at 62m. per 100 kilos.

Santonin.—The representatives of the Santonin Co. have at last made offers, but in such small quantities as not nearly to cover the barest requirements. There is no explanation for the policy of "feeding" the trade in this manner. The parcels placed on the market by the monopoly have been quickly taken up by consumers, so that the monopoly is now said to be quite sold out and to have nothing more for sale. From second-hands, however, goods are being offered at 75m. per kilo. in limited quantities. There seems no probability of a fall in prices, and a rise is more likely, as the consumer is badly off and the monopoly cannot even approximately supply the demand.

Thymol is now much steadier. It is improbable that the makers have much more raw material at their disposal, the new crop of which is not to be expected before March or April next. Sales have been made at from 13m. to 14m. per kilo.

American Drug-market.

New York, October 12.

A mild decline in the volume of business during the period under review is generally attributed to the diversions of the "discovery" celebrations. On the whole trading conditions have been satisfactory, with prices well maintained. Country markets for crude drugs are reported firmer in view of the increasing demands of local dealers.

Aloes.—Curaçao in boxes is well maintained at 6½c. to 7c. in spite of continued arrivals. Aloin is somewhat easier owing to competition.

Cascara Sagrada.—Spot demand continues slow, and prices are unaltered at 8c. to 9c. The coast position is practically unaltered, being still characterised by firmness and absence of selling pressure. Primary dealers seek to justify their views on the ground of a short peel, and claim that with the increasing demand for consumption the Eastern markets will soon require replenishing. Local dealers, however, are disinclined to operate in a large way in view of the poor demand in this market.

Opium.—This continued strong. Advices from primary sources have stimulated buying inquiry on spot, though not to the extent that the statistical position and comparatively low price of $5 warrant.

Peppermint Oil (American).—The position of the oil has not altered to any great extent during the past fortnight, except for an advance in the inside figures to a range of $1.85 to $2.00, but since the market deadlock remains unsprung these prices are of nominal significance only. The conflicting spot and primary interests both claim to have good supplies on hand, and are equally confident of the outcome of the controversy—a frame of mind which offers little hope of a speedy settlement of the dispute. The prices generally asked by primary holders for 1,000-lb. lots are on a parity with the New York jobbing market. There are, however, sellers in the Western markets with less positive views, and fair quantities of oil have been secured at comparatively moderate terms. Representatives of the primary dealers claim that the disposal of these lots hardly affects the general position, since they are of inferior quality; but, to the contrary, it is positively stated that the oil in question, coming from different parts of the country, is well up to the average in physical and chemical constants, and that, apart from the "still odour" characteristic of new oil, the product compares favourably in aroma with that of previous years.

Correspondence

TO CORRESPONDENTS.—A letter for publication should always be a distinct communication; nothing else should be mixed up with it. Each query—no matter whether legal, dispensing, or general—should stand by itself, and the paper upon which it is written should always be backed with the shop stamp. We do not undertake to reply to queries by post. Write clearly and concisely on one side of the paper only. All communications should be accompanied by the names and addresses of the writers. Publication of letters does not imply our agreement with them. Letters received after Wednesday morning cannot as a rule be dealt with in the current week's issue.

Poison-licences and the Council.

Sir,—A resolution passed by the Executive of the Cumberland and Westmoreland Chemists' Association has been sent to the Pharmaceutical Society by the Secretary, Mr. Townley, of Keswick, asking the Council what action they are taking in view of the wholesale granting of licences by local authorities in face of the definite promises of Lord Crewe and Mr. Samuels during the discussion of the Bill in Parliament. A copy of our resolution was published in the *C. & D.*, October 9, p. 583, and I ask the opinion of your numerous readers, and at the same time urge upon them the necessity of backing up the memorialists in their endeavour to rouse the Society to make some effort to define our position. It is very difficult to know how to approach this subject, but if there was ever a time to speak out fearlessly on the aspect of our calling that time is now. There are thousands of chemists in country districts whose trade in sheep-dips and insecticides is an important part of their business. They have been seriously affected by the granting of these licences to traders, in some cases next door to themselves. To my mind, the do-nothing policy of the Society is inexplicable, and the longer this policy is continued the position of the country chemists will become worse. If the Council have any knowledge of the position of affairs at the seat of government, let us know the worst. The history of the promotion of the Poisons and Pharmacy Act and its becoming law are matters well known, and it would be well if we examined the present state of affairs. This Act, by a compromise, has given the drug companies the title of "Chemists." It has given to local authorities the power to grant licences to traders, thus seriously affecting the trade of country chemists in sheep-dips and insecticides. What has it done for us? It has given us the title of "Pharmacist." It has caused serious unrest among all country chemists and has emplanted a feeling of distrust against the Society in their minds. In Carlisle the authorities granted seven licences *en bloc* without discrimination. In the county they at first acted reasonably, and granted no licences in towns where there were chemists' shops, but they have just reversed that policy, and are now granting them to all applicants. This is also the method they have adopted in Westmoreland and other parts of the country, and yet when Mr. Lord Gifford makes a move in the Council Chamber to redress these anomalies he is met with a policy of silence and does not receive a seconder. What are we to think of it? Is it because the bulk of the councillors not being interested in the sale of these poisons for agri-horticultural-purposes are indifferent?

This I cannot think is the reason, but the demand we make that the Society should receive a deputation is reasonable, and I hope all country chemists and Associations will communicate with Mr. Townley, and also place their views before your readers. Yours faithfully,

Carlisle. Thomas Ridley.

Williams's Shaving Sticks.

Sir,—In your report (*C. & D.*, October 16, p. 600) of the proceedings in the Court of Appeal, the statement of Mr. Astbury, K.C.—viz., and that "Messrs. Newbery had agreed to withdraw their box and not sell it again"—is reported without the interjected remark of counsel on the other side. Standing by itself, it is directly opposed to the facts, which are as follows—viz.:

(*a*) That no undertaking of any kind has ever been given by us or suggested by the J. B. Williams Co.; and

(*b*) That the box containing the 1*s*. "St. Paul's" shaving-stick has not been withdrawn from sale since the decision in the action against us.

It is perhaps right to add that, at the conclusion of the trial before Mr. Justice Neville, we stated to the manager of the plaintiff company that had we been approached on the subject of their objection to our "get-up" "three words would have settled the matter," but in view of the result of the appeal (and there having been no appeal against the decision in the action against ourselves) the propriety of any change has ceased to exist. This information will interest any who may have received the "St. Paul's" shaving-stick (1*s*.) since the actions were commenced many months since. It also negatives the impression that the decision not to appeal in our case might have resulted from any understanding with, or undertaking by, Yours faithfully,

Francis Newbery & Sons, Ltd.,
L. Newbery, Director.

Charterhouse Square, E.C., October 19.

The Apprenticeship Question in Ireland.

Sir,—Some two years since I, in conjunction with three other members of the Chemists' and Druggists' Committee, met the Law Committee of the Pharmaceutical Council in Dublin, to see if we could not arrive at a satisfactory arrangement with reference to the differences which exist between the two bodies, especially on the two years' apprenticeship question. At that conference I pointed out to the members of the Pharmaceutical Council that they must admit that even apprentices of pharmaceutical chemists, practically without any exception, received no instruction from their principals, and that it is, as a rule, left to the apprentice's own initiative to pick up what knowledge he can; also, that in the majority of cases, except when gifted with more than the usual share of "stickativeness," it amounts to very little, as we all know by experience how difficult it is to keep them at the work to try to improve themselves. I then advocated that a course, or class, should be arranged for the study of pharmacy and the reading and compounding of prescriptions, especially of difficult and exceptional ones, the course to be made compulsory, and to run concurrently with the six months' course of chemistry, thereby creating no hardship on young men from the country. I stated then that if the Society could see their way to meet our views by doing away with the two-years' service to a pharmaceutical chemist, which was not contemplated in the 1875 Act, but which is at present compulsory and hedged about in such a way as to make it practically impossible for a chemist and druggist's apprentice to qualify for the pharmaceutical examination, we would not only be prepared to accept the course, but would advocate it as a most necessary and beneficial thing for all apprentices. I am, therefore, very much pleased to see that the President of the Pharmaceutical Society evidently agrees with my views in reference to the necessity of this course for the apprentices of pharmaceutical chemists. Now, if he and the other members of the Council would go one step further and admit chemists and druggists' apprentices to the pharmaceutical examination on their complying with what is required from the pharmaceutical chemist's apprentice, making this course compulsory, I feel convinced there would not be much difficulty in all parties coming to an agreeable understanding, so as to get a Bill brought in to arrange matters on an equitable and satisfactory basis. J. D. Carse.

Belfast.

The Registered Druggist Qualification.

Sir,—I am a registered druggist by examination of the Pharmaceutical Society of Ireland. What is the use of this qualification? The entrance-fee for this examination is four guineas, that for the Pharmaceutical Licence five guineas. A certificate of having served four years to the business is also required. I have gone to a good deal of expense to gain this certificate, and now that I have got it what does the Society do for me in return? Here in this town where I have opened a shop nearly all the grocers and

oilmen sell such articles as Harvey's aconite powders, Cooper's sheep-dip, laudanum, etc., some of them even exhibiting them in their windows, although they are poisons within the meaning of the Act. It is not unusual to see these articles stored promiscuously with packets of tea and sugar in some of the grocers' shops. If a doctor send to me for a pennyworth of zinc ointment, and I supply it, I am prosecuted under the Pharmacy Act, and promptly fined 5*l*. Is it fair that the Pharmaceutical Society should treat registered druggists in this manner?

Yours truly,
R. D. (206/60.)

Manchester Assistants.

Sir,—It has been suggested to me that a reunion of assistants in Manchester and district should be held at an early date. Would all interested please communicate with me, stating which evening in the week would be most convenient? It is hoped that a large number will reply, as it is impossible to communicate with all assistants individually in such a large district. All replies should be addressed to me at 20 Palm Street, Longsight, Manchester.

Yours, etc.,
A. E. Mills.

Parliamentary Representation.

Sir,— I feel that it would hardly be doing justice to my case if I omitted to reply to Mr. Woolcock's letter of last week, and I must therefore ask if you will kindly allow me once more to trespass on your valuable space. In the first portion of his letter Mr. Woolcock has very ingeniously endeavoured to prove that, by looking after one's own welfare first, one is also consulting the welfare of the country. No doubt such a view is extremely convenient, and in consequence it appears to be acted upon by a large section of the community; but, unfortunately, it is certainly not supported by the evidence of history, nor does it agree at all well with the usual definition of patriotism. . . . The way in which Mr. Woolcock classifies the politics of pharmacists as (*a*) Liberal, (*b*) "Pharmaceutical," (*c*) Conservative is no doubt quite correct, but it strongly reminds me of the state of affairs at the last General Election, when the politics of the electors might with equal accuracy have been classified as (*a*) Liberal, (*b*) "Chinese," (*c*) Conservative. It is to be hoped that Mr. Woolcock's "Pharmaceutical" party will be more fortunate than the aforesaid "Chinese" politicians, and will not have such reason to regret the results of their decision. The most important point which I raised—viz., that the present is a most inauspicious time at which to obtrude questions of secondary importance into the political arena—Mr. Woolcock does not attempt to refute. With regard to the question of earmarking subscriptions so that they may be used on behalf of a Conservative candidate, it seems that such subscriptions can hardly be expected until a candidate is actually selected. A very easy way of getting over this difficulty, however, would be to ask for promises, to be redeemed only if a Conservative candidate is forthcoming. With this reservation I should be very pleased to accede to the suggestion made by Mr. Woolcock at the end of his letter. To conclude, I venture to hope that my remarks will be taken in the strictly "Pickwickian" sense in which they are intended, since I should be very sorry to hurt anyone's personal feelings in the slightest degree. Patriæ Amans. (206/65.)

Esperanto or Ido.

Sir,—The best international language is purely a practical question. It is not a question of choosing, among the host of projects, plagiarisms of Esperanto, of which Ido is the most feeble and the least followed, the one which the best suits one's personal taste. It is not a question of whether Esperanto is perfect or imperfect. The one question for a practical man is this: Does Esperanto *de facto* fulfil the aim of an international language? Is it accepted in every civilised country of the world? Can persons of all nationalities by it perfectly correspond and fluently talk one with another? To an international language success is the only criterion of perfection. The answer is that Esperanto more than fulfils the most sanguine expectations. Its progress in all parts of the Old and New World is simply marvellous, and this progress has never been so great as since the Congress at Cambridge in August 1907, precisely the date when Ido and its many imitators desirous of snatching to themselves the fruits of Dr. Zamenhof's wonderful invention have striven by the most unqualifiable, underhand tricks to make the public believe that their plagiarisms were simply reforms of Esperanto.

Esperanto, the language of Dr. Zamenhof, whose evolution is guided and controlled by the Linguistic Committee and the Academy recognised by the Majstro spreads everywhere. Five International Congresses, at Boulogne, Geneva, Cambridge, Dresden, and, last September, at Barcelona, have proved to the world its perfect efficiency, a vast and increasing literature in science, romance, poetry, and art; eighty-six journals and reviews; over 1,400 Esperanto clubs; the remarkable V.E.A. Society, with its 800 delegates in almost every important town of the world, ready to help all its members by giving information on all subjects regarding commerce, industry, education, travelling, etc.—all this proves to any practical man, who does not worry his head about ideal grammatical perfection, that Esperanto does its work and has come to stay. As the delegate of the United States said at Dresden, "When England and America take up a big thing, they know what they are about, and mean to make it hum." It is not only England and America which have taken up Esperanto, but France, Germany, Japan, China, and also small but thoroughly businesslike countries such as Belgium and Switzerland. We do not pretend that Esperanto is ideally perfect, but that it practically satisfies everybody who accepts it: "*Securus judicat orbis terrarum.*"

Mr. Lock talks about "thousands of old Esperantists" who have been converted to Ido. He must be joking. The recent election for an "Ido Academy," in which all Idists were begged to take part, resulted in the proof that there were not 300 Idists in the whole world—not a third of the one Parisian Esperantist group which has its headquarters in the Sorbonne. About "Pharmacy and Esperanto" I can tell you that the I.E.F.A. (International Esperantist Pharmaceutical Association), founded in Dresden in 1908, contains at present a hundred members belonging to fourteen nationalities. In a few weeks will appear the first number of the "Esperantist Pharmaceutical Review"; this and the following number will contain the scientific and professional papers presented in the four sessions of the I.E.F.A. held in Barcelona during the last Esperanto Congress. At the beginning of next year our Association will publish the international "Esperantista Deklingva Farmacia Vortareto"; it is a small dictionary of the most useful pharmaceutical terms in Esperanto and ten national languages. A French proverb says: "Give me two lines written by anyone, and I will make him hang on the gallows." The pitiable bit of Esperanto prose appended to the letter of Mr. Lock (which no tyro in Esperanto would have composed) is the two lines to make Esperanto worthy of the gallows. But they do not form a satisfactory proof. Knowing half-a-dozen European languages (Flemish, French, English, German, Italian, and Spanish) and having notions of other European languages, I learned Esperanto thirteen years ago, having given up Volapük since that time. I think that my practical experience of thirteen years in Esperanto correspondence and speaking is sufficient to prove the excellence of this international helping language. I have used it all that time in correspondence all over the world and for all purposes, and never have I had mistakes through its use; always everyone (even persons who did not know Esperanto) has given me satisfying answers.

Truly yours,
Oscar Van Schoor,
Secretary of International Esperantist Pharmaceutical Association.
Vondelstreet 20, Antwerp, Belgium.

Are Chemists Business Men?

Sir,—I often wonder when reading your valuable journal (which I could not do without) if an affirmative answer to the above would be correct or not. Even in last week's issue I notice that a Chemists' Association in the West Riding of Yorkshire spent their time in passing resolutions because some patent medicine is being cut by the stores, and also because a well-known maker of embrocation has advanced his price to the trade. Surely there is more in the chemist's business than selling a few patents

at nearly cost price, when any little grocer or even hairdresser's shop with a licence can sell them. I think a chemist who has served his apprenticeship and passed his examinations should aim at something higher than this, especially bothering about a few patents. I was in a North Riding town a few days ago, and spoke to a chemist about the advance of price in spirit, and I said, "Of course you have in M—— all advanced your prices for tinctures?" "Oh, no," he replied; "we have not." "What?" I said; "do you mean to tell me, that, spirit costing 6*s*. per gal. more than it did, you are still selling at the old price?" "Yes," he said; "we have to, because a drug-store in the town is doing it." I think there is something wrong here. That a drug-store with one shop in the town can give out their prices and make the other thirty chemists in the town follow them, and the chemists can do nothing but follow on, passes my comprehension. It is like putting your hand in another person's pocket to rob him, and he is frightened and lets you do it because you are a bigger man than he. Leeds is making a special show this week to get people to come in and do their shopping there. I noticed some of the prices of drugs in a drug-store window in the centre of the city as follows: 2-gr. cascara sagrada tablets, 25 in a bottle, 2½*d*.; powdered borax, 2*d*. per lb.; magnes. sulph., 3*d*. per lb.; potass. permang., 7*d*. per lb.; pulv. glycyrrh. co., 9*d*. per lb.; and 2-oz. bottles of vaseline, 1½*d*. West Riding chemists must look-out, as drugs are being cut to nothing, and dispensing is getting less in amount. It is time for us to look round for a good side-line, and go more in for the fancy trade, as Boots do.

Yours truly,
Leeds. A. H. Jones.

Information Received from Subscribers.

Green Ink for Duplicating Ribbon.

I thank you for answer to my inquiry, which has given me a recipe entirely satisfactory.—*W. F.* (205/1.)

What they Think.

"The *C. & D.* is without flattery the very best paper in the trade—or any other trade." (205/21.)

What is a Gentleman?

The following happened in our shop to-day. While a customer was being served a commercial traveller entered, but retired to wait outside.

Customer: "Who was that?"
Chemist: "A commercial traveller."
Customer: "Oh! I thought he was a gentleman."

The feelings of the chemist were too deep for words, so he held his peace.—*C. A. C.*

Eggs, Arsenic, and Beetles.

I must thank Mr. C. E. B. Merriman for the information he has given *re* the effect of arsenic upon fowls. From the inquiries I have made of those who keep and breed fowls, I learn that eggs are unfit for consumption if the hens eat beetles, the eggs being full of black specks throughout. This effect was observed after a beetle-trap had been emptied and the fowls had devoured the insects. I trust this information may be of some use.—*J. R. H.* (191/34.)

National Dental Association.

We have had numerous requests for the address of this body, referred to by a correspondent last week. It is 8 Noel Street, Berwick Street, London, W.

The *correspondent* (209/51) who attempted recently to establish a combination of chemist extractors and adapters is "pained to see that someone recommends readers to join the National Dental Association. As well think of joining the Drug-stores Association of Unqualified Men! An Association of Qualified Chemist and Druggist Extractors and Adapters would be far more likely to receive recognition than either of the two Associations already in existence. Why not launch 'The Chemists' and Druggists' Association of Extractors and Adapters of Great Britain'?"

Stocktaking.

Mr. Fish says, "Weigh it up in grains." "Veteran" says, "Don't do it at all." Jay Mack says, "Cut it short, but do it, if only to teach apprentices and to rake out drawers and cupboards yearly." "Veteran" does really take stock: he keeps exact account of goods bought, from that deduces his stock, and arrives at his net profit: a good way too, when you have a steady business and follow a steady policy. Let him not sorrow over us in the North and our mixed trade. Oilshops are developing into drug-stores in the South. Few oilshops in the North. Lancashire can show the South how to hold apprentice exams. instead of locking up tradecraft in our heads as "Veteran" does his stocktaking system.—*Jay Mack.*

Suckers for Showcards.

I have frequently seen useful little tips in the *C. & D.*, and often found them of service. Having discovered one myself, I thought it may be of interest to others if you can spare space for it. Being made out of scrap, it costs nothing and involves very little time or trouble. Take the thick bulb of a double spray bellows (which is usually good, though rendered useless by the thinner bulb bursting or going wrong), slit it up lengthwise with a pair of scissors; then, keeping it in its natural shape as much as possible, from the inside, with a cork-borer or such-like appliance, cut out discs of about 1 in. diameter. Then stick a pin through the outer or convex face at a tangent—about the centre—taking care that the pin has a good enough hold but not to puncture the inner or concave face. Next bend the pin into the form of a hook. These make splendid showcard-holders for the window, by damping the concave face and pressing firmly on to the glass, so as to force out all the air. They will hold fairly large showcards. It is astonishing the weight they will hold for their size.—*A. Whitehead* (*West Hartlepool*).

Dispensing Notes.

A Saturated Mixture.

Sir,—Would you kindly tell me how the following should be dispensed?—

Ferri sulph.	gr. xxxij.
Sodii bicarb.	ʒiij.
Sodii sulph.	ʒj.
Tr. Zingib.	♏iij.
Spt. chlorof.	♏ij.
Inf. quassiæ ad	℥viij.

We dispensed it as follows: We dissolved ferri sulph. and sodii sulph. in aq. dest., then added sod. bicarb., allowed it to stand after shaking, to expel CO_2, then added tr. zingib., spt. chlorof., and inf. quassiæ conc. (1-8). Very small crystals are precipitated, which adhere to the bottle, and these cannot be easily removed. Yours faithfully,

J. B. Howard.

[There is rather more sodium salts than the liquid will retain in solution at winter temperature. If the whole of the liquid were infusion only, there would be no precipitation of crystals. The spirituous constituents reduce the solvent power of the liquid. In order to ensure that any undissolved portion of the sodium salts will be in a condition to be readily shaken up, they should be rubbed down with the mixed liquids before being put into the bottle. The ferrous sulphate should be dissolved in about 2 dr. of the infusion, reserved for the purpose, and added just before corking. The official infusion should be used. The concentrated preparation contains spirit, which makes matters worse.]

Legal Queries.

W. N. (184/9).—You are quite right in refusing to sell sulphur and potassium chlorate to be used by children for making bombs. Mixed they constitute chlorate mixture, which is an explosive.

Secundo Curo (207/40).—The deduction of cost of cheque stamp or money order poundage and postage in paying an account in England is not legal. It is entirely for the convenience of the debtor that a creditor accepts a cheque, when he may legally demand payment in coin of the realm at his place of business.

J. R. (197/19).—Each of your draft labels would involve liability to medicine stamp-duty—the fruit laxative because it is stated to be "a corrective mixture, unequalled as a blood-tonic and liver-invigorator"; the ointment because it "draws and heals" and is "antiseptic and healing"; and the tablets because they are "special for children troubled with worms." The manufacture and sale of any of these articles requires a patent-medicine licence.

J. C. (202/29).—Pharmacy in New Zealand.—See the note in the *C. & D. Diary*, p. 214. You can get a copy of any issue of "The Chemist and Druggist of Australasia" from our office for 6*d*., but Australian and New Zealand berths can only be secured by those on the spot. If you want to go out there you must save a bit of money to keep you alive when there and until you get a berth. It is advisable to qualify before you go out, as it will be years before Australian qualifications are recognised by Great Britain.

Miscellaneous Inquiries.

We endeavour to reply promptly and practically to trade questions of general interest, but cannot guarantee insertion of replies on a particular date, nor can we repeat information given during the past twelve months. A preliminary condition for reporting on samples submitted is that all particulars as to source and uses are given to us.

Chapping Ointment.—*A. C.* (208/67) wants a good recipe for a preparation so called, and to know what it is for. Can any reader oblige by postcard?

A. C. F. (182/31).—(1) Husk-draught.—Two editions of "V.C.P." have been issued since the one you mention, and p. 201 has become p. 237. The following is a modification of the formula for the purpose of producing a cheaper product dose for dose:

Asafetida	ʒvj.
Chloroform	ʒiij.
Methylated ether	ʒiv.
Wood naphtha or methylated spirit	ʒxxx.

Macerate two days, shaking occasionally; then add—

Oil of turpentine	♏vj.

Shake well occasionally in the course of a day, then steam.

Direct half a pint of this to be mixed with 4 gals. of gruel and given in quarter-pint doses to each sheep.

(2) The cough of dogs is not the same as hoose in sheep.

Staff (192/71).—"Recipe" governs the accusative—*e.g.*, "recipe potassii iodidi drachmam."

J. H. S. (188/7).—The drug to be used as "a never-failing tonic restorative" in nervous disorders, brain-fag, and depression is Java coca-leaves coarsely comminuted.

J. K. (235/35).—The second volume of "Pharmaceutical Formulas" is devoted to known, admitted, and approved remedies. Each of our *Diaries* since 1904 contains a series of formulas, as also does the last edition of "Pharmaceutical Formulas." You should find all that you require in these.

Rad. Gent. (190/21).—Frosting Glass.—Crystalline effects on the surface of glass are obtained by applying strong solution of one of the following salts: Epsom salts, Glauber's salt, alum, zinc sulphate. The salt or salts are dissolved in warm beer, or to an aqueous solution is added gum arabic or dextrin. For a permanent obscuration of the glass dabbing with putty is practised, or a paint of zinc oxide and linseed oil applied. Painters seem to rely on painting with a lead paint and dabbing a flat brush on the painted surface. The hydrofluoric-acid method is good, but difficult to use when the glass is fixed in a window.

G. R. F. (195/25).—Dyeing Brown Boots Black.—All grease must be removed by means of benzine or carbon tetrachloride, and when the leather is dry brush over it several coats of a spirituous solution of blue-black aniline (1 oz. to a gallon), allowing each application to dry before using the next. A liquid shoe-blacking of the Nubian type gives a good result.

Devonian (188/72).—Decolorising Turpentine.—There is no ready method of decolorising turpentine which has become contaminated with iron. Redistilling is what is done on a large scale, but where small amounts are involved the turpentine should be used up in furniture and boot creams.

C. S. (192/59).—The recipe for the Asthma-cure was given in the *C. & D.*, January 25, 1908, p. 112. The basis may be a saturated solution of boric acid or a mixture of equal parts of simple tincture of benzoin and glycerin.

Raddle (194/38).—Sheep-marking Stick.—Your suggestion of paraffin wax coloured with aniline dyes is a good one; experiment on these lines, and let us know the result.

Ergo (Torino) (196/65).—Guaiacol is generally given in capsules along with cod-liver oil, the latter disguising the taste. Oil of cinnamon is perhaps the best flavouring-agent for guaiacol when given in mixture form. The proportions ordered in the Guy's Hospital Pharmacopœia are—

Guaiacol	4 min.
Alcohol (90-per-cent.)	40 min.
Glycerin	30 min.
Oil of cinnamon	1 min.
Water to	1 oz

Beauty (198/1).—Toilet-preparations.—The chapters on the preparation of toilet-articles in "Pharmaceutical Formulas" are the most complete that have been published. During the month of April we printed a series of articles on skin-creams, to which you should refer.

Chemicus (197/36).—Scythe-sharpening.—Are you not referring to the ordinary practice of employing a hone and oil to sharpen scythes?

C. E. (195/27).—Piccalilli or Indian Pickle.—The following is a standard formula:

Take a hard white cabbage (sliced), two cauliflowers (pulled to pieces), some French beans, one stick of horse-radish (sliced), twenty-four small white onions, and twelve gherkins, and cover them with boiling brine. The next day drain the whole on a sieve, put into a jar, and add curry-powder or turmeric 2 oz., garlic, ginger, and mustard-seed, of each 1 oz., capsicums ½ oz., fill up the vessel with hot pickling-vinegar, bung it up close, and let it stand for a month with occasional agitation.

This recipe is capable of considerable modification in the spices that are employed. Allspice, cloves, long-pepper, black pepper, shallots, and mustard flour figure in some recipes.

J. F. T. (192/34).—The preparation which you refer to as "sea-foam" we take to be a spirituous dry-shampoo, a formula for which was given in the *C. & D.*, October 9, p. 592.

S. S. H. (189/5).—"Pharmaceutical Formulas" seems to be the best book to cover your requirements as far as you state them, and the thousands of recipes which it contains probably also include those you mean by "etc."

A. & S. (189/27).—Tanning Eel-skins.—We have not been able to obtain any specific information on this point, but suggest that the method employed for tanning furs might be suitable. This consists in dressing the inner surface with a mixture of borax, saltpetre, and Glauber's salt after scraping off any superfluous tissue. After two days this powder is replaced by a mixture of alum, saltpetre, and sal ammoniac, which is rubbed into the skin each day for a week or so. Finally the skin is smoothed with sandpaper and dusted with chalk and alum.

Pomona (208/63). — Tree-banding, practised in fruit-orchards, is for the purpose of trapping certain moths which make their way up into the branches to lay their eggs. The bands are parchment or other grease-proof paper—newspaper soaked in boiled oil and dried answers well—and are tied round a smooth part near the top of the trunk. The top part of the paper band is turned down (like a man's collar), and beneath is placed a ring of grease. In practice some cheap material such as cart-grease is mostly used, but the following are better:

1. Cart-grease Soft soap	of each equal parts

Mix.

2. Resin	5 lb.
Fish oil	1 gal.

Boil together.

These are best put up in tins with well-fitting lids. Many proprietary brands find a ready sale at seedsmen's shops, and there is no reason why chemists should not be able to work up a sale for their own brand of tree-banding grease.

C. R. (188/41).—Books on Fruit-preserving.—Pacrette's "Art of Canning and Preserving" (21*s.*, Sprague Canning Machinery Co., 42 River Street, Chicago, Ill.); Bradley & Crooke's "Book of Fruit-bottling" (2*s.* 6*d.*, Lane).

H. J. S. (255/39).—Terpeneless Essential Oils.—You will find the particulars which you require in Parry's "Essential Oils" (Scott Greenwood, 12*s.* 6*d.*).

E. P. (202/26).—The Gripe-mixture or Children's Friend that you refer to is published under the title of "Gripe Cordial." The formula is as follows:

Sodium bicarbonate	128 grains
Alcohol (90-per-cent.)	3 fl. oz.
Syrup	8 fl. oz.
Dill-water	21 fl. oz.

T. S. (196/9).—It is difficult to prescribe correctly for pains in the head during menstruation without more particulars as to the general health of patient. If there is any tendency to constipation, we would suggest giving half a drachm of magnes. sulph. twice or three times a day for a week or so before the period, and, if there is anæmia (as shown by pallor of lips and of mucous membrane inside lower eyelid), pil. ferri gr. v. three times daily for some time. For the immediate relief of the headache, 10 grains of antipyrin, repeated if necessary in an hour, is often effective. Severe pain in the stomach is not a usual accompaniment of menstruation, pain in the pelvis (lower part of the body) or back being more common, and often yielding to 10-grain doses of guaiacum resin given three times daily for a week before the period.

Hygiene in Schools.

A Much-Needed Reform.

It is hardly yet a sufficiently recognised fact that the care of children's teeth cannot be begun too early. The proprietors of the Odol Chemical Works have for some time been advocating this, and great interest has latterly been taken in the Press and by many of the most eminent doctors and dentists proving the necessity for a thorough investigation of the deplorable conditions now existing among children, chiefly through neglect of the teeth.

To help forward the good work, the Odol Company—believing as they do that it is in the schoolroom that this crusade should be taken up—have tabulated a few simple hygienic rules to be observed in order to insure immunity from dental troubles and all that it means in health, strength, and freedom from pain. These tables (of which the accompanying illustration is a reduced fac-simile) are supplied free of all expense to schools and institutions for the young on application, and all that is asked is that they shall be hung on the school walls where they can be easily seen and read by the children, and the occasional aid of masters and tutors afforded to explain the rules to the youthful minds.

AN IMPORTANT BRANCH OF EDUCATION.

Our Teeth.

"The British Nation is the first in the world in matters of personal cleanliness, and it is therefore all the more astonishing that so little serious attention is paid to the proper care of the mouth and teeth."

1.

The daily and regular care of the mouth and teeth is of the utmost importance, for the evil consequences of an insanitary condition of the mouth are greater than even those resulting from the neglect of the skin.

2.

The possession of clean, sound teeth, free from decay is an absolute necessity, for without them digestion is impossible, and the food which should go to nourish and strengthen the body cannot fulfil its purpose.

3.

The nutrition of the body depends, not upon the quantity of food swallowed, but only on what is properly digested.

4.

Food is only properly digested after thorough insalivation, and this can only be brought about by proper mastication.

5.

To properly masticate food the teeth must be in good condition.

6.

The mouth is a hot-house for millions of germs and bacteria—Tuberculosis, Diphtheria, etc.—and these must be daily destroyed or their development arrested.

7.

The use of the tooth-brush and the habit of cleansing and rinsing with a reliable antiseptic mouth-wash, such as Odol, should be encouraged, and, in fact, insisted upon.

8.

Brushing with a tooth-powder is advisable, provided it is finely pulverized and free from grit so often found in cheap preparations, and which causes more injury in a moment than can be remedied in a lifetime. It would, however, be a mistake to suppose that the mouth is sufficiently attended to when the fronts of the teeth have been scoured and made white with a tooth-soap, powder or paste.

9.

Decayed teeth, if neglected, are a constant source of danger to the health, serious stomach ailments being sure to follow the impairment of the digestive organs.

10.

Children should be taught to use the tooth-brush while quite young, for they will learn a lesson in health and cleanliness which they will never forget. It is as important that the first, or "milk" teeth are kept clean and free from decay as it is for the permanent ones.

The illustrations given below will help to explain the structure of the teeth and jaws and demonstrate the dangers to which they are exposed from the malignant microbes' ravages.

Longitudinal Section of a Human Canine Tooth

Upper Jaw of a Child

Human Lower Jaw—Outer Bony Wall Removed.

The human teeth are constructed of four different tissues, the principal one being the firm dentin which encloses a cavity—the pulp-chamber (nerve canal). This canal is occupied during the life of the tooth by the soft connective tissue fibres of the pulp. The pulp is traversed by numerous blood vessels and nerves, and by reason of its great sensitiveness is popularly known as "the nerve." Each root has at its apex a narrow opening and through it the blood vessels and nerves from the periosteum of the jaw enter the pulp. The crown of the dentin is covered by the hardest tissue of the body, known as the enamel. The root is surrounded by a more or less thin layer of the bone-like "cementum." The enamel cap of the crown and the cement cap of the root (fang) join at the neck of the tooth.

Decay of the teeth proceeds from the action of microbes harbouring in the mouth and flourishing upon any fragments of food that may remain between the teeth, and setting up decomposition and fermentation processes which make the breath impure and attack the teeth wherever the slightest imperfection of the enamel exists.

It is necessary therefore that these corners and crevices should be thoroughly and frequently cleansed and purified, and it is only a liquid antiseptic preparation such as Odol—which, in addition to completely cleansing, counteracts the causes of decay—that can accomplish this satisfactorily.

According to Prof. W. D. Miller, the most eminent authority on Dental Bacteriology, one milliard and one hundred and thirty millions—1,130,000,000—of microbes can be present in one day in a single neglected (uncleansed) mouth, which is rightly considered one of the greatest dangers to mankind.

Always clean the teeth first thing in the morning and just before going to bed; also, whenever possible, after each meal. Decayed teeth should have immediate and proper attention. Do not wait until they begin to ache.

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So many members of the Trade must be greatly interested in this movement, and will possibly be able to recommend and influence proprietors and authorities of schools and institutions for the young to exhibit these tables in the school-rooms, and in this way to assist in a work the realisation of which would be far-reaching in its beneficial effect.

These "tables" measure 23×18 in., and are printed in clear bold type on stiff cards ready for hanging. A letter or postcard, giving the name and address of any school in which the wall-tables will be hung in a conspicuous position, will receive immediate attention if addressed to

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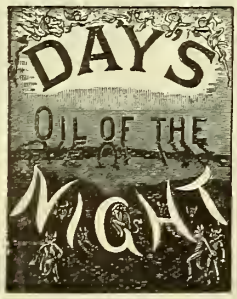

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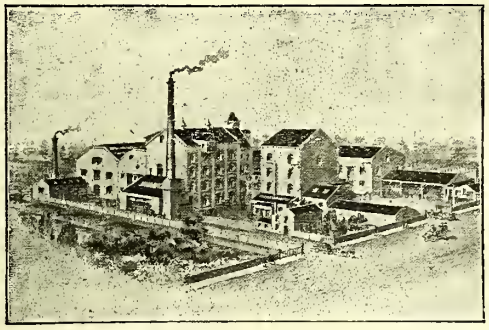

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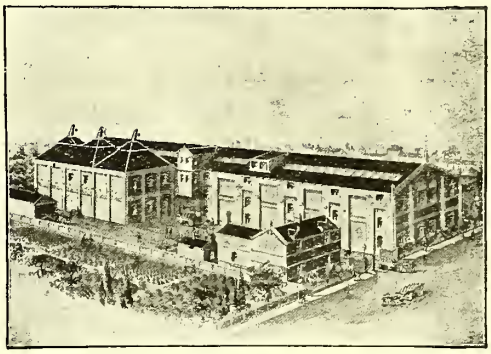

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Ferri Carb., 1 cwt. @ 21/- cwt.; 28 lbs. @ 3d. lb.
Ferri et Quininæ Cit., P.B.; 500 ozs. @ 3d. oz.; 100 ozs. @ 3¼d. oz.; 25 ozs. @ 3½d. oz.
Ferri Sulph., pure cryst., 1 cwt. @ 15/-; 7 lbs. @ 2d. lb.
Ferrum Redact. 80%, 28 lbs. @ 1/1 lb.; 7 lbs. @ 1/3 lb.
Fol. Hyoscyam. Bien., 7 lbs. @ 6/3 lb.; pulv, 5/3 lb.
Fol. Sennæ Alex. parv. 1 cwt. @ 4d. lb.; 28 lbs. @ 4½*d.* lb.
Fol. Sennæ Tinnev. 3½ cwt. @ 2½d. lb.; 1 cwt. @ 3½d. lb.; 7 lbs. @ 3½d. lb.; English Ground, 1 cwt. @ 5¾d. lb.; 56 lb. @ 6d. lb.; 7 lbs. @ 7d. lb.
Formaldehyde, 40%, 132-lb. Carboys @ 52/- each; 7 lbs. @ 7½d. lb.
Gamboge English Ground, 7 lbs. @ 4/- lb.; 1 lb. @ 4/4 lb.
Ginger, English Ground, 1 cwt. @ 52/- cwt.; 7 lbs. @ 6½*d.* lb.
Gingerine, Extra, 5 lbs. @ 9/6 lb.; 1 lb. @ 10/- lb.
Glycerin. Opt., D.D., 1·260 P.B., 1 cwt. @ 91/6 cwt.; 56 lb. @ 92/6 cwt.; 12 lbs. @ 1/- lb.
Honey, fine White Set, 28 lbs. @ 47/- cwt.
Lin. Campn. P.B., 40 lbs. @ 10½ l. lb.; 9 lbs. @ 11½d. lb.
Lin. Sapo Meth., 9 lbs. @ 7d. lb.
Lin. Tereb. Acet., B.P., 9 lbs. @ 1/- lb.
Linseed o. Oil, Crushed, 3 cwt. @ 16/- cwt.; 1 cwt. @ 16/6 cwt.
*Liq. Ammonii Acetatis Coco. 1-7, 6 lbs. @ 8d. lb.; 1 lb. @ 10½d. lb.
*Liq. Ammoni. Aromat., 6 lbs. @ 9d. lb.
* „ Antim. Chlor. Pure, 8 lbs. @ 6½*d.* lb.
* „ Arsenicalis, B.P., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
* „ Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7*d.* lb.
* „ Bismuth. P.B., 6 lbs. @ 10½*d.* lb.
* „ Copaiba Bucha et Cubeb, 5 lbs. @ 2/6 lb.; 1 lb. @ 2/10 lb.
* „ Easton., p.s. 1-3, B.P., 1 lb. @ 3/- lb.
* „ Ferri Dialysatus, 6 lbs. @ 7*d.* lb.
* „ Ferri Iod. p.s. 1-7, 1 lb. @ 5/9 lb.
* „ Ferri Perchlor. Fort. P.B., 7 lbs. @ 4*d.* lb.
* „ Ferri Phosph. Co. p.s. 1-7, 7 lbs. @ 1/6.
* „ Hypophosph. Co. p.s. B.P.C., 1 lb. @ 3/4 lb.
* „ Iodi Fort. B.P., 5 lbs. @ 4/9 lb.
Ol. Amygdal. Ang., B.P., 9 lbs. @ 2/4 lb.
Ol. Camphor. Essent., White, 80 lbs. @ 42/6 cwt; 40 lbs. @ 44/- cwt.; brown, 80 lbs. @ 66/- cwt.; 40 lbs. @ 67/6 cwt.
Ol. Caryoph. Ang., B.P., 9 lbs. @ 3/3 lb.; 4½ lbs. @ 3/5 lb.
Ol. Cocoa Nucis, finest White, 80 lbs. @ 43/- cwt.; 40 lbs. @ 5½d. lb.
Ol. Eucalypt., B.P., 1 cwt. @ 1/1½ lb.; 28 lbs. @ 1/2½ lb.; 9 lbs. @ 1/3½ lb.
Ol. Morrhuæ, Nov. 1909, finest non-freezing 25 gall. tin lined barrels @ 69/- per barrel; 2 gall. tins @ 3/9 each.
Ol. Olivæ, P.B., good yellow, 45 gall. Barrel @ 4/3 gall.; 2 galls. @ 5/3 gall.
Potass. Cit., B.P., 7 lbs. @ 1/6 lb.
Scammony Resin Pulv. B.P., 7 lbs. @ 4/6 lb.; 1 lb. @ 4/11 lb.
Shellac (Orange), 1½ cwt. @ 80/- cwt.; 7 lbs. @ 10*d.* lb.
Soda Caustica, 28-lb. tin @ 8½d. lb.; 6 1-lb. Bots. @ 10*d.* lb.
Soda Cit., B.P., 3 lbs. @ 1/10 lb.
Soda Salicyl. Pulv., 1 cwt. @ 1/5 lb.; 28 lbs. @ 1/6 lb.; 7 lbs. @ 1/7 lb.; phys. pur. 28 lbs. @ 2/2 lb.; 1 lb. @ 2/5 lb.
Soda Sulphite Recryst., 1 cwt. @ 16/6 cwt.; 7 lbs. @ 2½d. lb.
Soda Sulphocarbolas B.P., 7 lbs @ 10½d. lb.; 1 lb. @ 1/1 lb.
Sodii Bromid. P.B., 1 cwt. @ 1/0½ lb.; 7 lbs. @ 1/2 lb.
Sodii Hyposulphite, pea cryst., 1 cwt. @ 8/6 cwt.
*Spt. Æther Nit. P.B., 4½ lbs. @ 3/6 lb., 1 lb. @ 3/9 lb.
*Sp. Ammon. Aromat. P.B., 5 lbs. @ 2/8½ lb.
*Spt. Chloroformi, P.B., 5 lbs. @ 3/7 lb.
Strontiæ Bromid., 1 cwt. @ 1/2½ lb.; 7 lbs. @ 1/4½ lb.; 1 lb. @ 1/6 lb.
Strychnina cryst. B.P., 25 ozs. @ 2/- oz.; 1 oz. @ 2/3 oz.; Hydrochlor. & Sulphate, 2d. oz. less.
Sugar of Milk, B.P., 1 cwt. @ 44/- cwt.; 7 lbs. @ 6d. lb.
Sulphonal P.B., 1 lb. @ 9/6 lb.
*Syr. Aurant. P.B., 7 lbs. @ 8d. lb.
*Syr. Easton B.P., 7 lbs. @ 1/- lb.
* „ Ferri Iodid. P.B., 7 lbs. @ 1/1 lb.
* „ Ferri Phosphat. Co., 7 lbs. @ 5d. lb.
* „ Hypophosph. Co. B.P.C., 7 lbs. @ 9*d.* lb.
* „ Pruni Virg. B.P., 8 lbs. @ 7d. lb.
* „ Rhamni, 7 lbs. @ 10d. lb.
* „ Rhei P.B., 7 lbs. @ 7½d. lb.
* „ Scillæ P.B., 7 lbs. @ 4½d. lb.
* „ Sennæ P.B., 7 lbs. @ 8d. lb.
* „ Tolut. P.B., 7 lbs. @ 7d. lb.
*Tinct. Aurantii Recens, B.P., 5 lbs. @ 3/6 lb.; Bond 8½d.
*Tinct. Belladon., B.P., 5 lbs. @ 2/11 lb; Bond, 6½d.
*Tinct. Benzoini Comp., P.B., 5 lbs. @ 3/5 lb.; Bond, 8¾d.
*Tinct. Camph. Comp., P.B., 5 lbs. @ 2/5 lb.; Bond, 6¾d.
*Tinct. Cantharidis, P.B., 5 lbs. @ 3/9 lb.; bond, 6d. lb.
*Tinct. Capsici, B.P., 5 lbs. @ 3/3 lb; bood, 6d. lb.
*Tinct. Card. Comp., P.B., 5 lbs. @ 2/6 lb.; bond, 6½d. lb.
*Tinct. Catechu, P.B., 5 lbs. @ 2/8 lb.; bond, 6¾d. lb.
*Tinct. Chlorof. c. Morph. Comp, B.P., 1885, 5 lbs. @ 1/11 lb.; bond, 1/5½ lb.
*Tinct. Cinchon. Comp., B.P., 5 lbs. @ 3/4 lb.; bond, 10½d. lb.
*Tinct. Cinchon. Rub., P.B., 5 lbs. @ 3/- lb.; bond 10d. lb.
*Tinct. Digitalis, B.P., 5 lbs. @ 2/8 lb.; bond, 6½d. lb.
*Tinct. Gelsem. B.P., 5 lbs. @ 2/10 lb. Bond, 6½d.
*Tinct. Gentianæ Comp, B.P., 5 lbs. @ 1/11½ lb.; bond, 6d. lb.
*Tinct. Hyoscyam, B.P., 5 lbs. @ 2/5 lb; bond, 6½d. lb.
*Tinct. Iodi B.P., 5 lbs. @ 3/11 lb.; bond, 1/1½ lb.; decolor, 5 lbs. @ 4/3 lb.; bond, 1/0½.
*Tinct. Lavandulæ Comp, B.P., 5 lbs. @ 3/10 lb.; bond, 7¾d. lb.
*Tinct. Myrrhæ, B.P., 5 lbs. @ 3/9 lb.; bond, 9¾d. lb.
*Tinct. Nucis Vom., B.P., 5 lbs. @ 2/10 lb; bond, 6d. lb.
*Tinct. Opii, B.P., 5 lbs. @ 3/2 lb.; bood, lb.
*Tinct. Opii Amon., B.P., 5 lbs. @ 3/4 lb.
*Tinct. Opii Aquos., 5 lbs. @ 1/10 lb.
*Tinct. Quinine Amm., B.P., 5 lbs. @ 2/6 lb.; bond, 11d. lb. [lb.
*Tinct. Rhei Co., B.P., 5 lbs. @ 2/2 lb.; bond, 8d.
*Tinct. Scillæ, B.P., 5 lbs. @ 2/6 lb.; Bond, 7½d.
*Tinct. Senegæ, P.B., 5 lbs. @ 3/1 lb.; bond, 1/3½ lb.
*Tinct. Strophanth., P.B., 5 lbs. @ 3/5 lb.; bond, 8½d. lb.
*Tinct. Valerianæ, 5 lbs. @ 2/8 lb.; bond, 6d. lb.
*Tinct. Valerianæ Ammon., P.B., 5 lbs. @ 3/1 lb.; bond, 8½d. lb. [lb.
*Tinct. Zingib., P.B., 5 lbs. @ 4/- lb.; bond, 6½d.
*Tinct. Zingib. Fortior, 5 lbs. @ 4/3 lb.; bond, 10½d. lb.
Treacle (Black), 5½ cwt. @ 7/6 cwt.; 24 lbs. @ 2d. lb.
Ung. Acid. Boric. P.B., 28 lbs. @ 6½d. lb.; Flav. 28 lbs. @ 4½d. lb.
„ Acid Carbol. B.P., 28 lbs. @ 8d. lb.; 7 lbs. @ 9d. lb.; 1 lb. @ 11d. lb.
„ Gallæ P.B., 7 lbs. @ 10d. lb.; 1 lb. @ 11d. lb.
„ c. Opio, 7 lbs. @ 2/2 lb.
„ Hydrargyri B.P., 28 lbs. @ 1/8 lb.; 7 lbs. @ 1/9½ lb.
„ Hydrarg. Ammon. B.P., 28 lbs. @ 11d. lb.; 7 lbs. @ 1/2 lb.
„ Hyd. Nit. Dil., 7 lbs. @ 10d. lb.
„ Paraff. Alb., P.B., 28 lbs. @ 7d. lb.; 7 lbs. @ 8d. lb.; 1 lb. @ 10d. lb.; Flav. 28 lbs. @ 5d. lb.; 7 lbs. @ 6½d. lb.
„ Resinæ, P.B., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.
„ Sulphuris B.P., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.
„ Zinci Oxid. Benz. B.P., 28 lbs. @ 8½d. lb.
Wax, Japan, 2 cwt. @ 51/- cwt.; 7 lbs. @ 7d. lb.
Zinci Oleat. Powder B.P.C., 7 lbs. @ 2/- lb.
Zinci Oxid., Whitest and Lightest B.P., 1 cwt. @ 34/- cwt.; 28 lbs. @ 4½d. lb.; 7 lbs. @ 5*d.* lb.
Zinci Sulph., pure, 1 cwt. @ 15/- cwt.; 28 lbs. @ 2½d. lb.
„ Sulphocarbolas B.P. 7 lbs. @ 10½*d.* lb.; 1 lb. @ 1/1 lb.

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,, Menthæ Pip. Conc. 1 to 40. 5 lbs. @ 2/3 lb.; 1 lb. @ 2/6.
,, Rosæ Conc. 1 to 40. 1 lb. @ 6/- lb.
Balsam Copaibæ B.P. 9 lbs. @ 2/2 lb.; 1 lb. @ 2/5.
Bismuth Carb. B.P. 3 lbs. @ 7/8 lb.; 1 lb. @ 7/10.
,, Subnit. B.P. 3 lbs. @ 6/8 lb.; 1 lb. @ 6/10.
Butyl Chloral Hydrat. B.P. 1 lb. @ 8/9 lb.
Camphor Flowers, English, B.P. 5 lbs. @ 1/11 lb.
,, Tablets ½, ⅓ and ¼ oz. 7 lbs. @ 2/1 lb.
Cantharides Pulv. 1 lb. @ 3/6 lb.
Cera Alb. Genuine, Moons. 4 lbs. @ 1/8 lb.
,, Flav. Refined, Genuine. 4 lbs. @ 1/6 lb.
Cetaceum Alb. B.P. 7 lbs. @ 1/5 lb.
Chloral Hydras. Cryst. B.P. 1 lb. @ 4/8 lb.
Chloroform B.P. 8 lbs. @ 1/8 lb.; 3 1-lb. Bots. @ 1/10½.
Cocain. Hydrochlor. B.P. 8 ozs. @ 7/6 oz.; 1 oz. @ 7/9.
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,, Senegæ Conc, 1 to 7. 6 lbs. @ 1/8 lb.
Lin. Aconiti Meth. 6 lbs. @ 11d. lb.
,, Belladon. Meth. 6 lbs. @ 1/1 lb.
,, Camph. Co. Meth. 6 lbs. @ 10d. lb.
,, ,, B.P. 40 lbs. @ 10½d. lb.; 9 lbs. @ 11½d.
,, Saponis Meth., 6 lbs. @ 6½d. lb.
Liq. Ammon. Acet. Conc., 1 to 7. 6 lbs. @ 9d. lb.
,, ,, Aromat. 6 lbs. @ 8d. lb.
,, Bismuth et Ammon. Cit. B.P. 6 lbs. @ 10½d. lb.
,, Morph. Acet. B.P. 6 lbs. @ 2/- lb.; 1 lb. @ 2/3.
,, ,, Hydrochlor. B.P. 6 lbs. @ 2/- lb.: 1 lb. @ 2/3.
,, Rhæi pro Syr., 1 to 7. 6 lbs. @ 1/6 lb.; 1 lb. @ 1/9.
,, Sennæ pro Syr., 1 to 3. 6 lbs. @ 1/3 lb.; 1 lb. @ 1/6.
,, Tolut. pro Syr. 1 to 7. 6 lbs. @ 1/3 lb.; 1 lb. @ 1/6.
Mel. Opt. Pale Set. 7 lbs. @ 5d. lb.
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Morphinæ Acet. B.P. 25 ozs. @ 7/- oz; 8 ozs. @ 7/2; 1 oz. @ 7/4 (Hydrochlor. B.P. & Sulph. same prices).

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,, Lavand. Gall. Opt. 1 lb. @ 8/6 lb.
,, Limonis (Absolutely Pure). 1 lb. @ 4/6 lb.
,, Menth. Pip. Hotchkiss. 21 ozs. @ 10/- lb.
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,, Olivæ B.P. (Sweet). 1 gln. @ 6/- gln.
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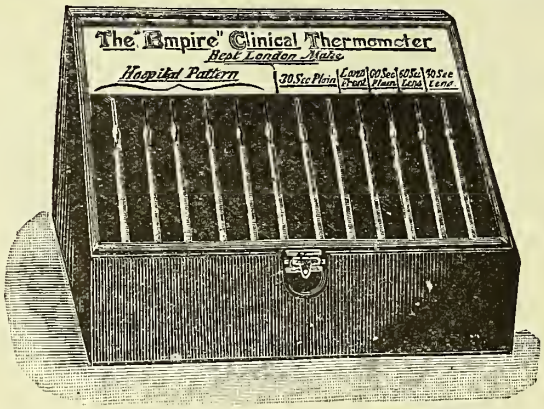

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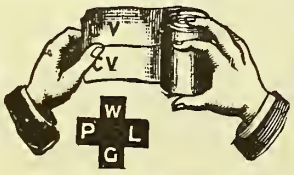

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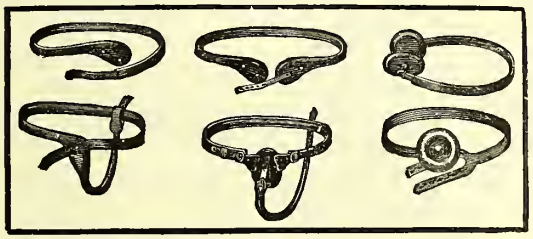

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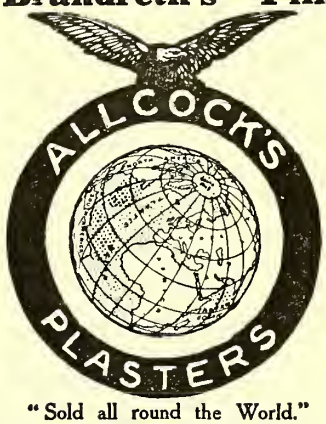

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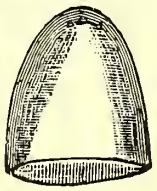

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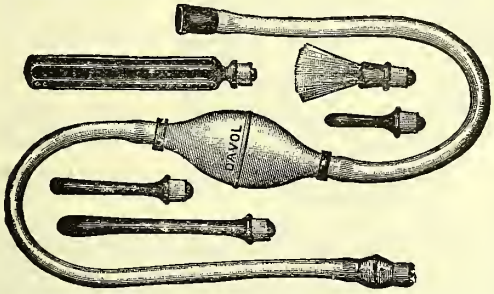

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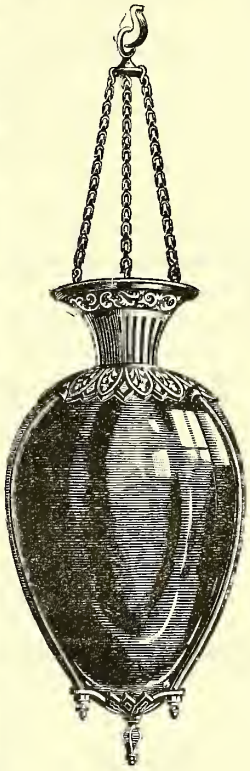
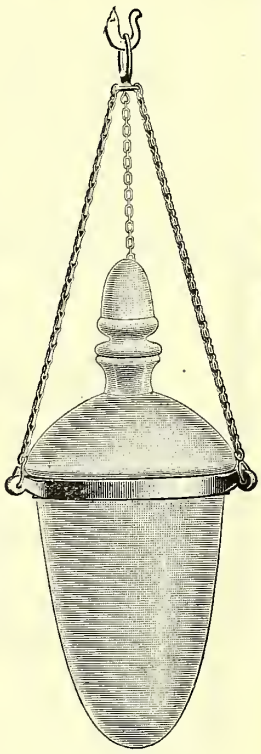
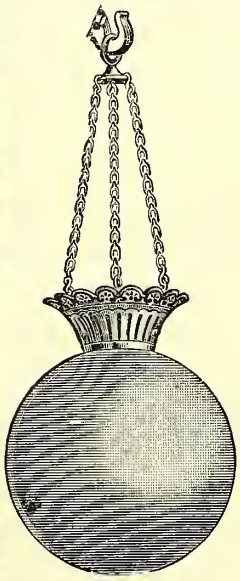


1785.



2190.



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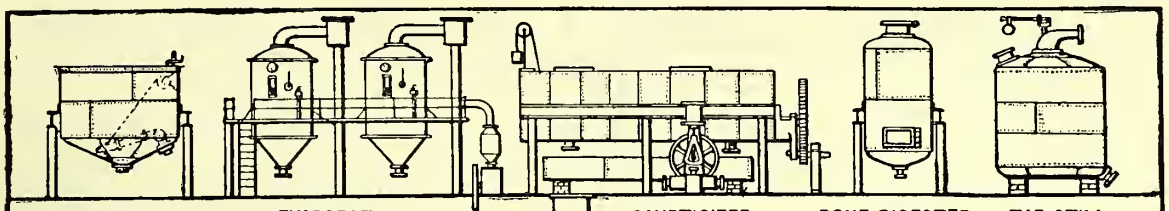

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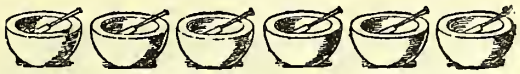

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British & Colonial Druggist.

Be up-to-date—use Viscose Bottle Caps for everything. Better appearance, quicker, easier, better fitting. All colours; self-fixing; no labour. Air and Spirit Tight.

BETTER IN EVERY WAY.

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OIL

WINTER is coming upon us very rapidly, and you will be frequently asked for COD LIVER OIL and EMULSION. We ask you to TRY our COD FISH ADVT.

We supply 10,000 for 35/- with matter on back, and give one of our large 'Cod Fish' Window Display Cards, 18 x 7.

HARRISON & WAIDE,

Medical Printers,

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Smart, attractive, catchy Printing of every description. Set of Samples, 6d. For Colonies, 10/6, which is credited to £5 orders.

THE NATURAL MINERAL WATERS OF

VICHY

(STATE SPRINGS)

CÉLESTINS For Diseases of the Kidneys, Gravel, Gout, Rheumatism, Diabetes, &c.

GRANDE-GRILLE For Diseases of the Liver and Biliary Organs, &c.

HOPITAL For Stomach Complaints, Indigestion, &c.

VICHY-ÉTAT PASTILLES Two or three Pastilles after each meal facilitate digestion.

VICHY-ÉTAT COMPRIMÉS For instantaneously producing an effervescing alkaline water.

Price Lists, Show Cards, Dummy Bottles, Pamphlets, &c.

CAUTION.—Each Bottle from the STATE SPRINGS bears a neck lable with the word "VICHY-ÉTAT" and the name of the SOLE AGENTS:—

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TRUMILK

Trumilk full cream is milk unskimmed and reduced to a powder. In flavour and appearance it is exactly the same as new pasteurised milk, and it easily dissolves in cold water. The production of Trumilk has solved the problem of keeping milk indefinitely in its natural condition. Trumilk can be kept conveniently on hand so that users can be quite independent of the milkman, and when the required amount of water is added, it is in every way equal to milk fresh from the cow. Please write to-day for full particulars to

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STANDARDISED TO B.P. 1898.

When diluted in the proportion of one part to forty parts of water at 60° temperature, they faithfully represent the Medicated Waters of the British Pharmacopœia. They are always of uniform strength, and will keep good any length of time in any climate.

Aqua Amygd. Amar. Conc. (U.S.)	4/-	per lb.	Aqua Cassiæ Conc.	4/-	per lb.	Aqua Menth. Virid. Conc. ...	4/-	per lb.
,, Anethi, Concent.	4/-	,,	,, Flor Aurant.	8/6	,,	,, Pimentæ ,, ...	4/-	,,
,, Anisi ,, ...	4/-	,,	,, ,, Sumbuci Conc. ...	8/6	,,	,, Pulegii ,, ...	4/-	,,
,, Camphoræ ,, ...	4/-	,,	,, Fœniculi Conc.	4/-	,,	,, Rosemarini ,, ...	4/-	,,
,, Carui ,, ...	4/-	,,	,, Menth. Pip. Conc. ...	4/-	,,	,, Rosæ ,, ...	8/6	,,
,, Cinnam. Ver. Conc. ...	6/-	,,	,, ,, Ang. Conc....	6/-	,,	,, ,, Virgin ,, ...	10/6	,,

The above may be had in ¼-lb., ½-lb., or 1-lb. Bottles and upwards, through most of the Wholesale Drug Houses.

Each Bottle has the Inventor's Protection Label over the cork, without which none are genuine.

SUPERIOR ORANGE WINE (Vin. Aurantii, B.P. 1898).

Samples of any of the above se t free on application from

R. ROBINSON & CO., LTD., Distillers and Brewers of British Wines. **CHURCH ST., PENDLETON, MANCHESTER.**

Telephone: 138 Pendleton.

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SPECIALITIES, for which they are renowned all over the world . .

Vittoria Liquorice Juice.

High-class Trimmed and Powdered Rhubarb.

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Absolutely Pure English-distilled Sandalwood Oil.

Best Selected Druggists' Opium.

Cut Sarsaparilla of all kinds.

Powdered Ipecac. and Jalap.

A large stock of all Gums, Roots, Barks, &c., in ordinary form and powder, always kept.

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Medical men in your district order it often, and there is a large public demand. [16]

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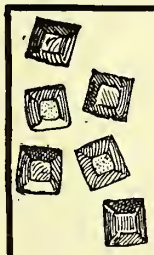

EXTRACT OF LIQUORICE and MENTHOL PELLETS.

CUSHION SHAPED.

THE ORIGINAL AND THE BEST.

3s. 6d. per lb. Also in Tins at 2/- and 4/- doz.

E. ERNEST JACKSON, Telegrams: "Jackson Crediton."

Crediton, Devon, & 291 Kingsland Road, London, N.E.

THE GREAT

SYPHON FILLER

Is the "Consol."

A purely business machine. No labour, no power, automatic. Best aeration. Four syphons filled for a penny.

Send for Catalogue and sheet of Chemists' testimonials.

British Automatic Aerators, Ltd.

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Telegrams: "Consolaris." **Telephone: 6329 Central.**

SAL HEPATICA.

PUT UP FOR EXPORT:

Small size, 3 oz. bottle, in case.
Medium „ 7 „ „ „
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For Terms apply to the Publisher.

FREDK. FINK & CO.
10 & 11 MINCING LANE, LONDON, E.C.

SPECIALITIES: Dextrine—Gum Arabic—Gum Tragacanth—Pure Beeswax—Ceresine Wax—Honey, &c.

PRECIPITATED CHALK.
EXTRA LIGHT AND ALL GRADES TO SUIT EVERY PURPOSE.
CHEAPEST SELLERS IN THE MARKET.
AUG. LEVERMORE & CO., 8, 9 & 10, Great St. Helen's, LONDON, E.C.
TELEGRAMS: "LEVERMORE, LONDON." TELEPHONE: 4613 CENTRAL

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P. A. STEVENS, *Surgeon-Dentist*, Mansfield Rd., S. Hampstead, N.W.
Sole Proprietor & Manufacturer.
TRADE MARK. Registered No. 2745. Special Terms to Wholesale Houses for Sheet or Sticks stamped with their own name. A sample box of 3d. sticks sent post free for 12 stamps. Price list and sample free.

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SPREAD PLASTERS—Surgical, Medical, Porous, &c.
(Rubber and Plumbi Base),
BANDAGES, SURGICAL DRESSINGS
Sole Agents in Great Britain for
Rumpf's Crêpe and Lisle Bandages ("The Geneva").
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Dog, Cat, & other Veterinary Medicines
WILL INCREASE YOUR SALES.
LIBERAL TERMS. HIGH CLASS GOODS.
Books on Disease, Show Cards and Pedigree Forms sent free.
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ASHFORD, MIDDLESEX, ENGLAND.

GRAPELAX. By Special Appointment to the Greek Royal Family.
The Ideal Tonic Laxative for Children.
GRAPELAX pleases the Trade. It is on the P.A.T.A. list with remunerative terms.
GRAPELAX pleases the Medical Profession. There is no mystery or secret.
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KARSWOOD CREOSOTE For Cold in the Head, Asthma, Influenza, &c.
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Carriage paid on 3 doz. lots. P.A.T.A. conditions. [2]
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GREATEST TRIUMPH OF MEDICAL SCIENCE.
DR. HOFFMAN'S CELEBRATED RHEUMATIC POWDERS. GREAT GERMAN RHEUMATIC CURE.
Relief is felt after the first dose. Results simply wonderful.
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36 Capsules in box, 18/- per dozen boxes. | 28/- per 1,000.
24 " " 12/- " " " | 3/6 per 100.
Name and address on one dozen boxes.
Samples (12 Capsules) on application.
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FOR DENTISTS AND CHEMISTS REQUIRING RELIABLE WORKMANSHIP.
Most Perfect Workmanship. Best Materials, and Artistic Finish Guaranteed.
My Assistants are the pick of the London Dental Mechanics.
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CARBOLIC ACID.
Crystals, Liquid, Crude, Refined. Soluble Disinfectant Fluids and Powders, &c.
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TRADE MARK
Wholesale and Export Wire and Bristle Brush Manufacturers,
66 CLIFTON ST., FINSBURY, E.C.
Tube, Flue, Feeding Bottle, Fancy Pipe Condenser & Decanter, Chemical, Mineral Water and Beer Bottle Brushes.
No connection with others assuming same name.

COPPER SULPHATE
98/99% guaranteed.
PLEASE STATE YOUR REQUIREMENTS AND WE WILL QUOTE THE LOWEST CASH PRICES.
T. C. LINDSEY & CO., LTD.
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EXPERT WORKMANSHIP. PROMPT SERVICE.
POPULAR PRICES. GUARANTEED MATERIALS.
"Dentistry for Chemists" post free "Everyday Dentistry," 3/6.
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First - Class Mechanical Dentistry.
Reliable workmanship. Popular prices. Moderate charges for gold, D.A., Tubes, Seamless Gold Crowns, Sections, Vulcanite, &c. Ash's and D.M.Co. Teeth and Rubber guaranteed. Punctuality strictly observed. List free. Trial case solicited. Gold and D.A. work a speciality. Special cheap rates for show case pieces. 16 years' experience of first-class mechanical dentistry.
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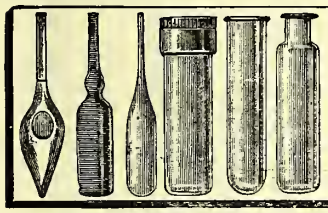
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Glass-packings for chemical-pharmaceutical purposes. All surgical and medical necessaries in glass for hygiene and the treatment of the sick. Chemical-physical glass instruments of all kinds.

"RATTO" Reg. is a specially prepared **BAIT**
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CHEMISTS REQUIRED AS AGENTS. Special terms and advert. in local papers arranged; plenty of advertising matter. Please send a trial order to any London Wholesale House. Large tins neatly cartonned. Sale requires no registering. Sole Proprietors: F. FARMER & CO., 17 Poole Road, South Hackney, LONDON, N.E. (For Home & Export).

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EAR MOPS
For cleaning the cavity of the ear.
In neat box, retail 1s.
Please write or Sample Box.
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Practical Dentists in Gold, D.A., Tubes, Crowns, Gum Sections, Vulcanite, Celluloid, Strengthened Rubber, Reg. Cases (Angles'), Obturators, &c.
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Postal—East Smithfield, Tower Bridge. Established 1835.
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FROM MODELS OR IMPRESSIONS.
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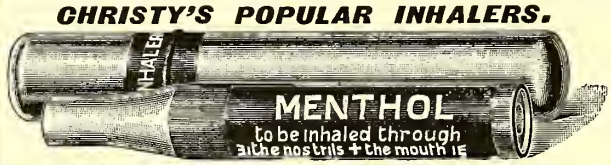
The only address: 4 Town Hall Street, GRIMSBY.
Revised Price List free. Established 1882.

CHRISTY'S POPULAR INHALERS.


3d. size 1/9 dozen AT 4 OLD SWAN LANE.

GENUINE EMERY, EMERY CLOTH, AND BLACK LEAD.
JOHN OAKEY & SONS, LIMITED.
MANUFACTURERS OF
Glass and Flint Paper, Emery and Glass Cloth, Emery, Black Lead, Emery Wheels, Pumice Putty Powder, Crocus, Urn Powder, Tripoli, Rouge, Plate Powder, Steel Polish, Furniture Polish, Knife Boards, Brunswick and Berlin Black, etc.
OAKEY'S WELLINGTON KNIFE POLISH.
Prepared expressly for Oakey's and other Knife Boards, Buff Leather Boards, and all the Patent Knife Cleaning Machines. Sold in Canisters with perforated Tops to prevent waste, at 1d., 2d., 3d., 6d., 1s., 2s. 6d., and 4s. each.
OAKEY'S NON-MERCURIAL SILVERSMITH'S SOAP.
For cleaning and Polishing Silver, Plate Glass, Marble, &c. Tablets, 6d. each.
OAKEY'S "POLYBRILLIANT" (Registered).
A Magic Pomade for Cleaning Brass, Copper, Tin, Pewter, Britannia Metal, &c. Never becomes dry and hard like other Metal Pastes. Tins, 1d., 2d., 3d., and 6d. each.
WELLINGTON BLOCK BLACK LEAD.
In 1d., 2d., and 4d. Blocks, and 1s. Boxes.
WELLINGTON EMERY & BLACK LEAD MILLS, Westminster Bridge Rd., London, S.E.
Highest Award and Prize Medal, Philadelphia Exhibition, 1876; and Boston, 1883 Gold Medal, Crystal Palace, 1884.

Telegraphic Address—
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MAW'S

Telephone No.—
LONDON WALL 3230 (4 lines).

DISPENSING BOTTLES.

DISPENSING.
Fig. 1273.

OVAL.
Fig. 1274.

DIRECT SQUARE.
Fig. 1275.

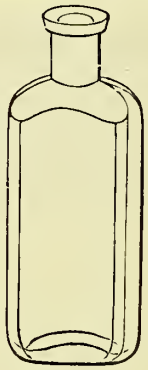


Fig. 1276.

OVAL-FRONTED
FLAT.

Prices in Crates of 6 to 8 Gross. CRATES FREE.

Not less than 1 gross of a size and graduation, 2 to 8 ounces.
EXPORT PACKAGES CHARGED AT NET COST F.O.B.

GREEN FLINT, **MAW'S,** WITH TRADE MARK— SUPER

2	3 & 4	6 & 8	10	12	16	20	24	32	40	Ounce.
11/3	13/-	14/3	22/-	22/-	26/6	32/9	39/-	52/9	59/-	Per Gross

GREEN FLINT, **MAW'S,** WITH TRADE MARK—

2	3 & 4	6 & 8	10	12	16	20	24	32	40	Ounce.
7/6	8/10	9/6	14/-	15/-	19/6	22/-	28/-	32/-	38/-	Per Gross.

QUININE TINT, **MAW'S,** WITH TRADE MARK—

3	4	6	8	10	12	16	20	Ounce.
10/10	10/10	11/6	12/-	16/-	18/9	23/6	27/-	Per Gross.

Prices ex Warehouse.

GREEN FLINT, **MAW'S,** WITH TRADE MARK— SUPER

2	3 & 4	6 & 8	10	12	16	20	24	32	40	Ounce.
11/4	13/3	14/9	22/6	22/6	27/6	33/9	40/-	54/9	61/-	Per Gross.

GREEN FLINT, **MAW'S,** WITH TRADE MARK—

2	3 & 4	6 & 8	10	12	16	20	24	32	40	Ounce.
7/10	9/2	10/-	14/6	16/-	20/6	23/-	29/-	33/-	40/-	Per Gross.

VIALS, WHITE MOULDED, GOOD QUALITY.

Long, Medium, Short or Round Shouldered.

2-dr.	½-oz.	1-oz.	1½-oz.	2-oz.	3-oz.	4-oz.	
4/-	4/4	4/7	5/8	6/2	8/2	8/8	Per Gross.

Usual Discount.

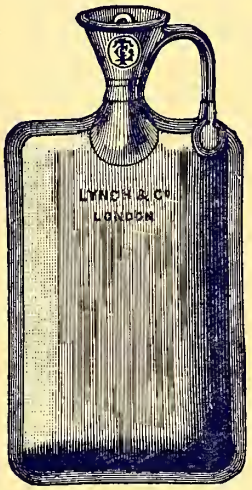
S. MAW, SON & SONS, 7-12 Aldersgate Street, LONDON, E.C.

SEASONABLE LINES.

LYNCH'S RUBBER HOT-WATER BOTTLES

British Manufacture.

QUALITY AND WEIGHT GUARANTEED.



6 × 8	each **2/10**	8 × 14	each **4/8**
6 × 10	each **3/4**	10 × 12	each **5/6**
6 × 12	each **3/8**	10 × 14	each **5/11**
8 × 10	each **3/11**	10 × 16	each **6/7**
8 × 12	each **4/3**	12 × 14	each **6/9**

NO ADVANCE.

Subject to 5% Discount, and £2 worth **Carriage Paid.**
In 14 lb. lots. **5/1** lb. net.

Each of the above bottles is embossed with Lynch's Trade Mark.

CHEST PROTECTORS.

For prices and particulars of other varieties, see price list pages 84–85.

Discount 5 per cent.

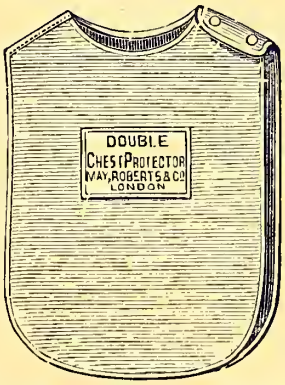


Fig. 1. Fig. 2.

Felt, as Fig. 1, *Grey* or *Scarlet*, Best Quality—

Nos.	0	1	2	3	4	5
Size ins.	8½ × 7¼	9½ × 8¼	10¾ × 9¾	11¾ × 10¾	13½ × 12	15½ × 14
Per doz.	4/9	6/4	8/	10/	12/	15/6

Felt, as Fig. 1, *Grey* or *Scarlet*, Second Quality—

Nos.	0	1	2	3	4	5
Size ins.	8½ × 7¼	9½ × 8¼	10¾ × 9¾	11¾ × 10¾	13½ × 12	15½ × 14
Per doz.	4/4	5/8	7/3	8/9	11/3	14/9

Flannel, as Fig. 1, lined with Chamois leather—

Nos.	0	1	2	3	4	5
Size ins.	8½ × 7¼	9½ × 8¼	10¾ × 9¾	11¾ × 10¾	13½ × 12	15¾ × 13¾
Per doz.	5/4	7/	10/	12/10	16/7	21/3

Natural Grey Wool, fleecy, washable, as Fig. 1—

Nos.	1	2	3	4	5
Per doz.	5/	7/	9/	11/3	14/6

Felt, as Fig. 2, double, for the chest and back, *Grey* or *Scarlet*, Best Quality—

Nos.	1	2	3	4	5
Size ins.	11 × 8	12 × 9½	13¼ × 10½	15 × 11½	16½ × 14
Per doz.	14/3	18/9	23/	29/3	37/6

Felt, as Fig. 2, *Grey* or *Scarlet*, Second Quality—

Nos.	1	2	3	4	5
Size ins.	11 × 8	12 × 9½	13¼ × 10½	15 × 11½	16½ × 14
Per doz.	9/6	13/	15/	18/9	23/9

Flannel, as Fig. 2, for chest and back, lined with Chamois leather—

Nos.	1	2	3	4	5
Size ins.	9½ × 8	11¼ × 9½	13 × 11	14¾ × 12½	16¼ × 14
Per doz.	15/	20/9	26/3	34/6	43/6

Natural Grey Wool, fleecy, washable, as Fig 2—

Nos.	1	2	3	4	5
Per doz.	11/3	14/6	19/	24/6	31/3

MAY, ROBERTS & CO. Ltd., London and Dublin.

OWN · NAME · MEDICINAL · PREPARATIONS. MINIMUM · PROTECTED · PRICES.

B.C. 4000 A.D. 1908
TRADE MARK
THE ANCIENT · EGYPTIAN · SYMBOL · OF · LONG · LIFE

HORUS
HATHOR

BULGARIAN —HEALTH— CHOCOLATE CREAMS.

CONTAINING A HIGHLY CONCENTRATED CULTURE OF THE BULGARIAN BACILLUS OF **MASSOL.**

Minimum Retail Price

1/9

PER BOX.

SHOWCARDS FREE

SHOWCARD No. 1.

We stock
BULGARIAN HEALTH CHOCOLATE CREAMS
Which contain in a highly concentrated form a vigorous culture of the Bulgarian Sour Milk Bacillus.
The Bacillus of Long Life and Good Health
discovered by Professor Massol.
PRICE 1/9 PER BOX.

Own Name on One Dozen

PRICE

15/- per dozen

Carriage Paid.

SHOWCARDS FREE.

SHOWCARD No. 2.

BULGARIAN HEALTH CHOCOLATE CREAMS
Contain in the form of a very pleasant bon-bon all the essentials of the Bulgarian Sour Milk Treatment.
Each chocolate is equivalent in effect to a tumblerful of Bulgarian Sour Milk.
See Dr. Metchnikoff's work, entitled 'The Prolongation of Life.'
PRICE 1/9 PER BOX.

THE STANDARD TABLET & PILL Co. HOVE

MAKERS ALSO OF LACSAUER OR LACTIC TABLETS FOR MAKING SOUR MILK.
Bottles of 25, **8/-** per doz. Bottles of 50, **15/-** per doz. Bottles of 100, **24/-** per doz.; per 1,000, **17/6.**

CADBURY'S COCOA

A DELICIOUS BEVERAGE AND AN INVALUABLE FOOD.

Printed for the Proprietors by Spottiswoode & Co. Ltd., New-street Square; and Published by the Proprietors at 42 Cannon Street, in the City of London.—
October 23, 1909